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V.1 AND 2 - DE  
DESCRIPTIONS OF P

ROBINSON, A.H.A.  
IRON ORE OCCURR  
ENCES IN CANADA  
V.1 AND 2 - DE  
SCRIPTIONS OF P

DEPARTMENT OF MINES

HON. ALBERT SÉVIGNY, ACTING MINISTER; R. G. McCONNELL, DEPUTY  
MINISTER.

MINES BRANCH

EUGENE HAANEL, PH.D., DIRECTOR.

M. W. BARTLEY & ASSOCIATES LTD.

Iron Ore Occurrences in Canada

VOL. II

Maps


1917

- No. 187 Magnetometric map, St. Charles mine, Hastings Co., Ont.  
" 187a Geological map, St. Charles mine, Hastings Co., Ont.  
" 188 Magnetometric map, Baker mine, Hastings Co., Ont.  
" 188a Geological map, Baker mine, Hastings Co., Ont.  
" 189 Magnetometric map, Ridge Iron Ore Deposits, Hastings Co., Ont.  
" 193 Magnetometric map, Kennedy Property, Carlow Tp., Hastings Co., Ont.  
" 193a Geological map, Kennedy Property, Carlow Tp., Hastings Co., Ont.  
" 194 Magnetometric map, Bow Lake Iron Ore Deposits, Hastings Co., Ont.  
" 249 Magnetometric map, Caldwell and Campbell mines, Renfrew Co., Ont.  
" 250 Magnetometric map, Black Bay or Williams mine, Renfrew Co., Ont.  
" 251 Magnetometric map, Bluff Point Iron mine, Renfrew Co., Ont.  
" 252 Magnetometric map, Culhane mine, Renfrew Co., Ont.  
" 253 Magnetometric map, Martel or Wilson mine, Renfrew Co., Ont.  
" 261 Magnetometric map, Northeast Arm Iron Range, Lot 339 E.T.W. Lake Timagami,  
Nipissing district, Ont.  
" 311 Magnetometric map, McPherson mine, Barachois, Cape Breton Co., N.S.  
" 312 Magnetometric map, Iron Ore Deposits, Upper Glencoe, Inverness Co., N.S.  
" 313 Magnetometric map, Iron Ore Deposits, Grand Mira, Cape Breton Co., N.S.  
" 341 Magnetometric map, Atikokan Iron-bearing district, Claims 400R., 401R., etc., Rainy  
River district, Ont.  
" 341a Magnetometric map, Atikokan Iron-bearing district, Claims 400R., 401R., etc., Rainy  
River district, Ont.  
" 342 Magnetometric map, Atikokan Iron-bearing district, Claims 403R., 404R., etc., Rainy  
River district, Ont.  
" 342a Geological map, Atikokan Iron-bearing district, Claims 403R., 404R., etc., Rainy  
River district, Ont.  
" 343 Magnetometric map, Atikokan Iron-bearing district, Mile Post No. 140, C.N. Railway,  
Rainy River district, Ont.  
" 343a Geological map, Atikokan Iron-bearing district, Mile Post No. 140, C.N. Railway,  
Rainy River district, Ont.  
" 405 Magnetometric map, Orton mine, Hastings Co., Ont.  
" 409 Magnetometric map, Kaministiquia, Thunder Bay district, Ont.  
" 410 Geological map, Kaministiquia, Thunder Bay district, Ont.  
" 416 Magnetometric map, Matawin Iron Range, Claims 215W. to 223 W. (incl.), Thunder  
Bay district, Ont.  
" 438 Magnetometric map, West Arm Steel Iron Claim at Sechart, Vancouver Id., B.C.  
" 439 Magnetometric map, Baldwin mine, Hull Tp., Que.  
" 441 Magnetometric map, Wilbur mine, Lanark Co., Ont.  
" 442 Magnetometric map, Iron Crown Claim, Nimpkish river, Vancouver Id., B.C.  
" 444 Magnetometric map, Northeast Arm Iron Range, Lots W.D. 341, W.D. 342, etc.,  
Lake Timagami, Nipissing district, Ont.

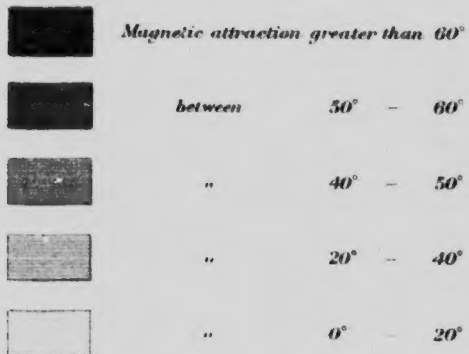
**Canada**  
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 EUGENE HAANEL, PH.D., DIRECTOR

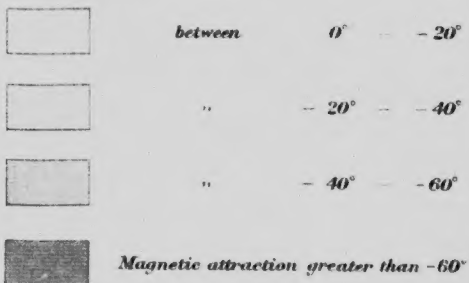
**LEGEND**

 Isodynamic lines of the vertical magnetic intensity

**Positive Intensity**



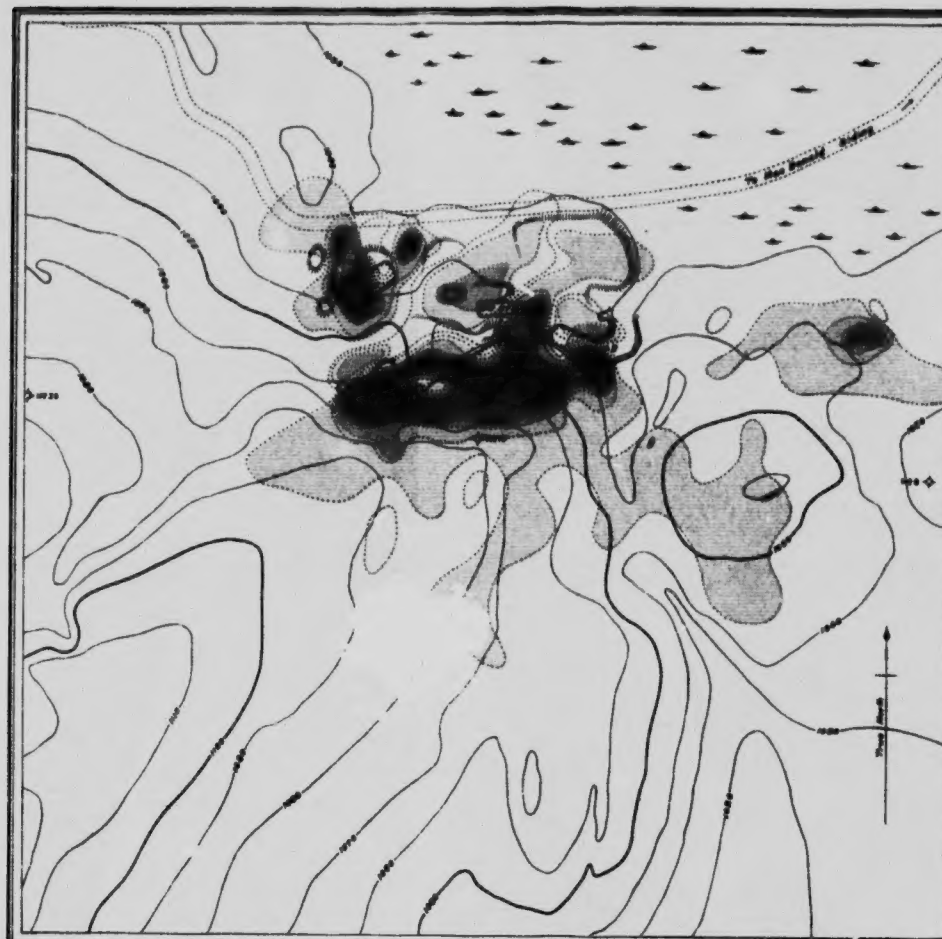
**Negative Intensity**



Constant of Instrument = 1.0 H

Magnetic declination about 12° West

**LEGEND**



H. E. Baine, Chief Draughtsman  
 L. H. S. Pereira, Draughtsman

**ST. CHARLES MINE**  
**LOT 19, CON. XI**  
**TOWNSHIP OF TUDOR**  
**HASTINGS COUNTY**  
**ONTARIO**

Magnetometric Survey 1911  
 E. Lindeman  
 Assisted by O. G. Gallaher

Scale 1/4" = 200' to 1 inch







No. 187








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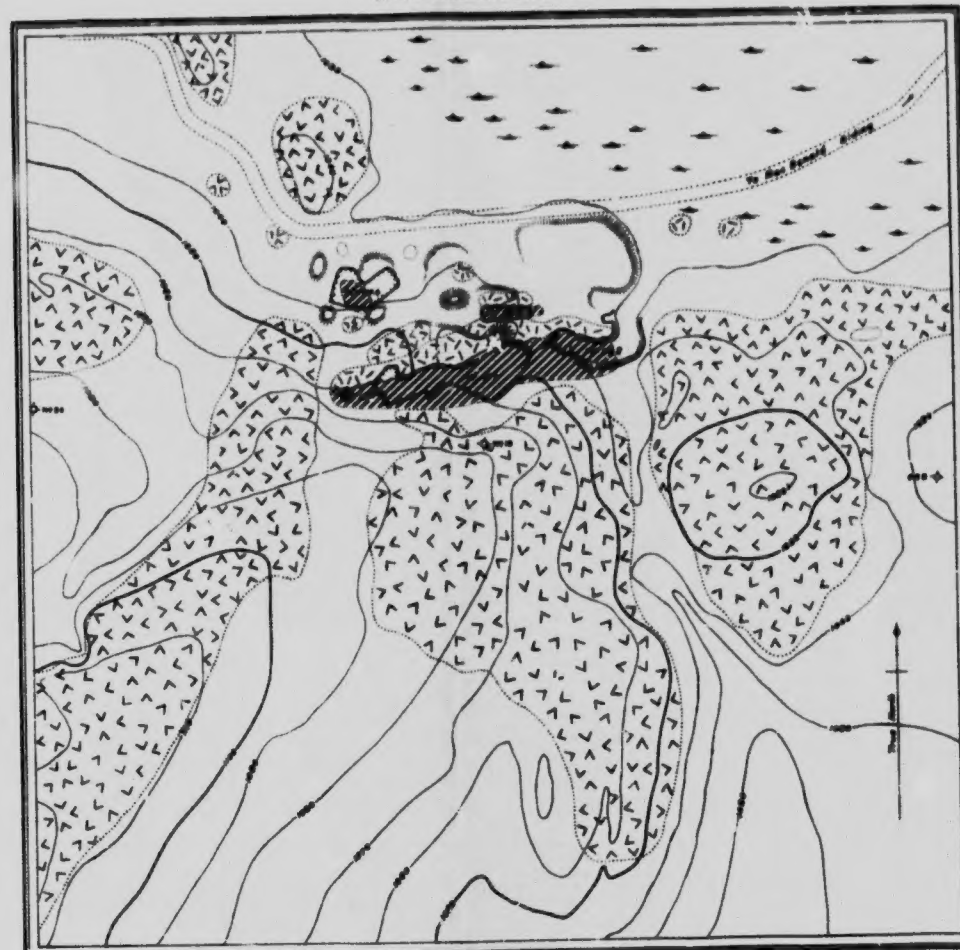
HON. ROBERT ROGERS, MINISTER; A. P. LOW, LL.D., DEPUTY MINISTER.  
 EUGENE HAASEL, Ph.D., DIRECTOR

**LEGEND**

-  Driftcovered area
-  Area within which Magnetite is likely to occur, indicated by Magnetometric Survey
-  Diorite (Archman)
-  Crystalline limestone

**LEGEND**

-  Roads and buildings
-  Reference posts
-  Open cuts
-  Strippings
-  Swamps
-  Contours, interval 10 feet  
Elevations above sea-level
-  Mine dumps




H. E. Baine, Chief Draughtsman  
 L. H. S. Pereira, Draughtsman

**T. CHARLES MINE**  
**LOT 19, CON. XI**  
**TOWNSHIP OF TUDOR**  
**HASTINGS COUNTY**  
**ONTARIO**

Geology by  
 L. Lindeman 1911

Scale 240 - 200' to 1 inch



No. 187A

## MAGNETOMETRIC MAP

## LEGEND



*Isodynamic lines of the vertical  
magnetic intensity*

## Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° — 60°*



*" 40° — 50°*



*" 20° — 40°*



*" 0° — 20°*

## Negative Intensity



*between 0° — -20°*



*" -20° — -40°*



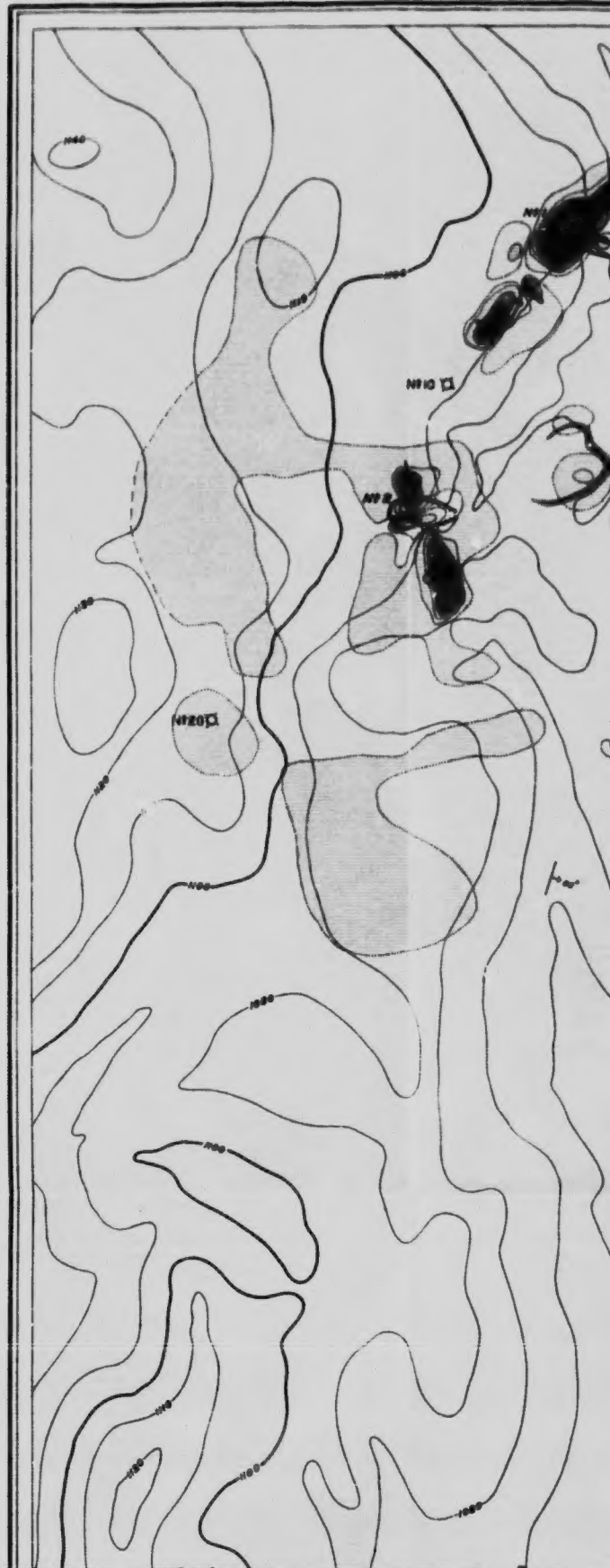
*" -40° — -50°*



*" -50° — -60°*

*Constant of Instr.  $\lambda = 1.0 H$*

*Magnetic declination about E°30' West*



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**LEGEND**



*Road and buildings*



*Reference posts*



*Open cuts and Test pits*



*Contours, interval 10 feet  
 Elevations above sea level*



*Mine dumps*







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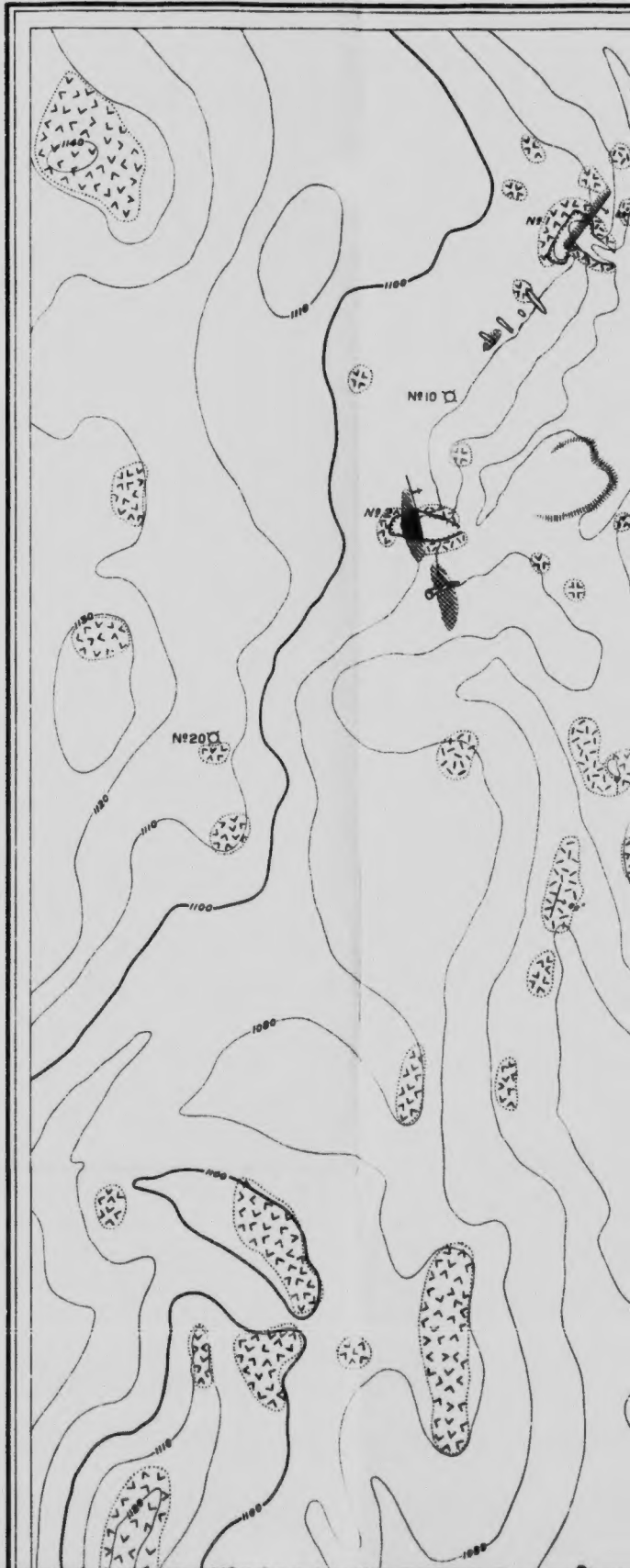
M

HON. ROBERT ROGERS, N  
EUGEN

# GEOLOGICAL MAP

## LEGEND

-  *Driftcovered area*
-  *Outcrop of Magnetite*
-  *Driftcovered area within which Magnetite is likely to occur, indicated by Magnetometric Survey*
-  *Diorite* (Archean)
-  *Crystalline limestone and amphibolites*
-  *Strike and dip*








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 EUGENE MAANEL, Ph.D., DIRECTOR



**LEGEND**

-  Roads and buildings
-  Reference posts Lot lines
-  Open cuts and Test pits
-  Contours, interval 10 feet  
Elevations above sea-level
-  Mine dumps

## A topographic map showing contour lines with elevations ranging from 1020 to 1160. A road, labeled 'Te Cee Hill' with an arrow pointing upwards, runs vertically on the left side. A small square symbol is located near the top of the road. A large, dark, irregularly shaped area is shaded in the center-right, labeled 'Gen. III' and 'Gen. II'. A dashed line runs diagonally across the lower half of the map, labeled 'Lot 16' and 'Lot 18'. A small circle with a cross inside is labeled 'N 10'. The map also shows several small, dark, irregular shapes in the upper right corner, possibly representing water bodies or other features.

*Isodynamic lines of the vertical magnetic intensity*

**Positive Intensity**

	<i>Magnetic attraction greater than 60°</i>		
	<i>between</i>	50°	— 60°
	<i>"</i>	40°	— 50°
	<i>"</i>	20°	— 40°
	<i>"</i>	0°	— 20°

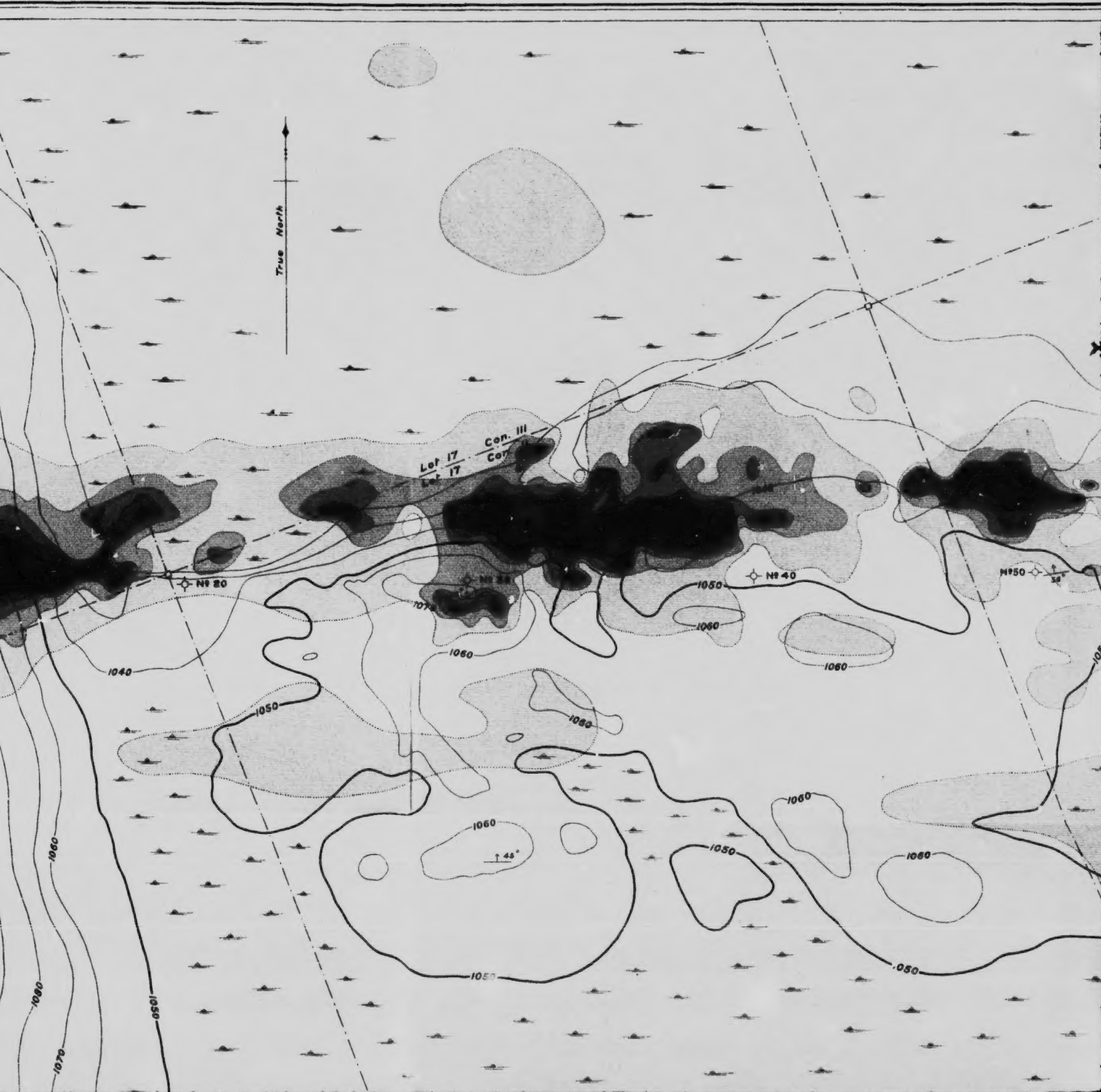
**Negative Intensity**

	<i>between</i>	0°	— -20°
	<i>"</i>	-20°	— -40°

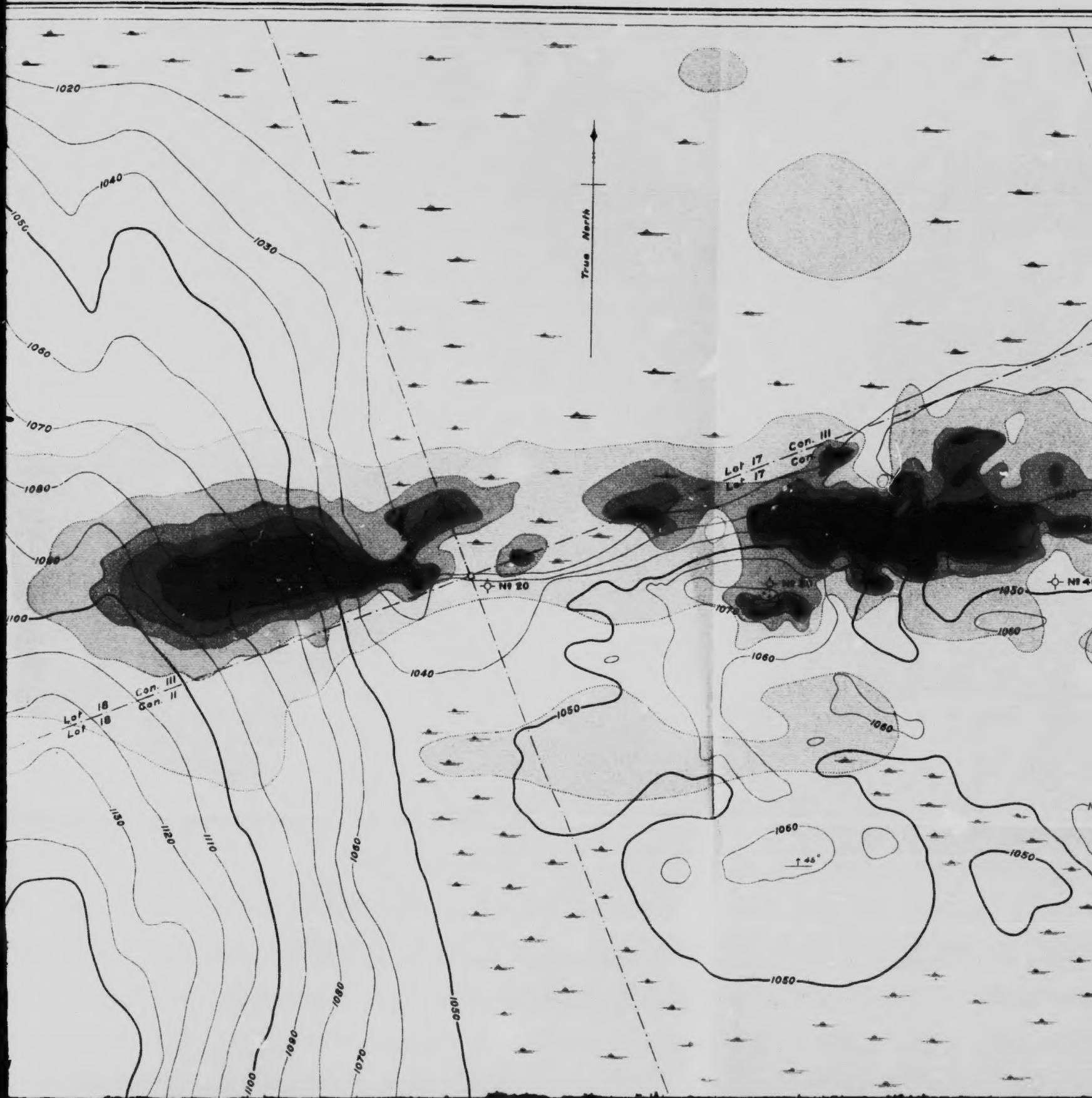
*Magnetic declination about 10° West*

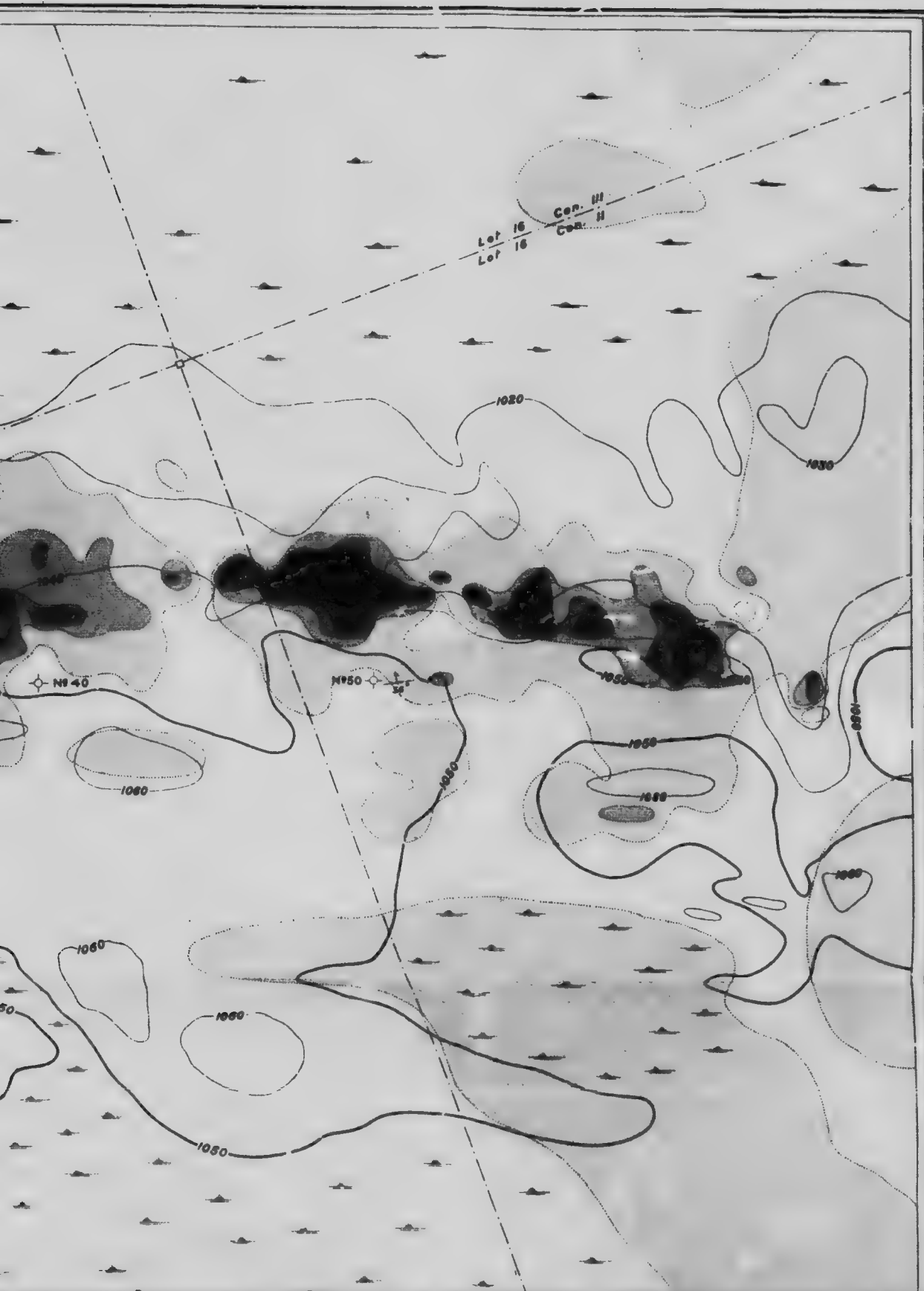
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EUGENE HAANEL, PH.D., DIRECTOR










HON. ROBERT ROGERS, MINISTER; A.P. LOW, LL.D., DEPUTY MINISTER  
EUGENE HAANEL, PH.D., DIRECTOR





# LEGEND

-  Road and buildings
-  Corner posts and Lot lines
-  Reference posts
-  Test pit
-  Strippings
-  Swamps
-  Contours, interval 10 feet  
Elevations above sea-level

DEPART

M

HON. ROBERT ROGERS, M

EUGEN

MAGNETOMETRIC MAP



LEGEND

*Isodynamic lines of the vertical  
magnetic intensity*

Positive Intensity

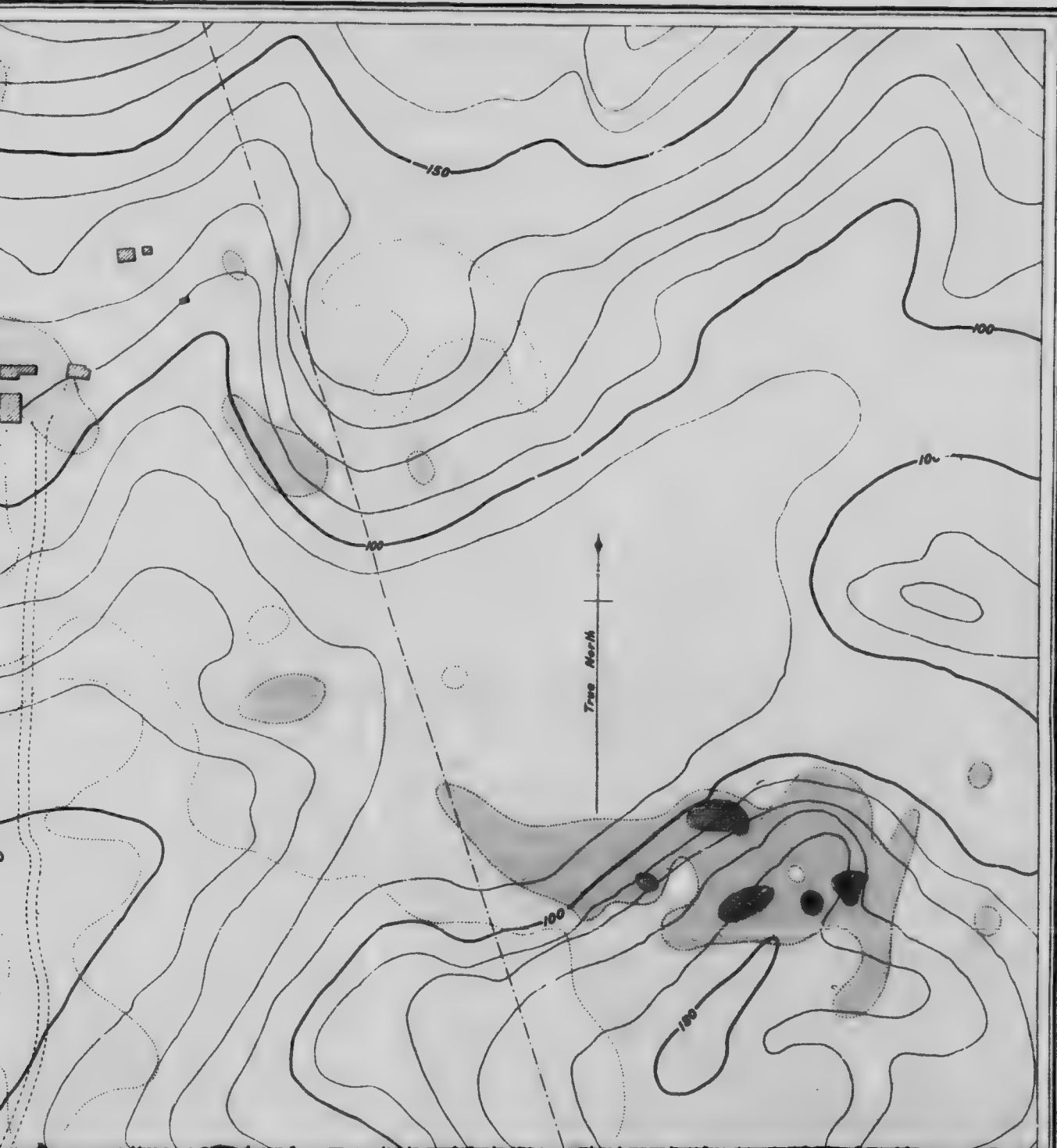
Canada

DEPARTMENT OF MINES

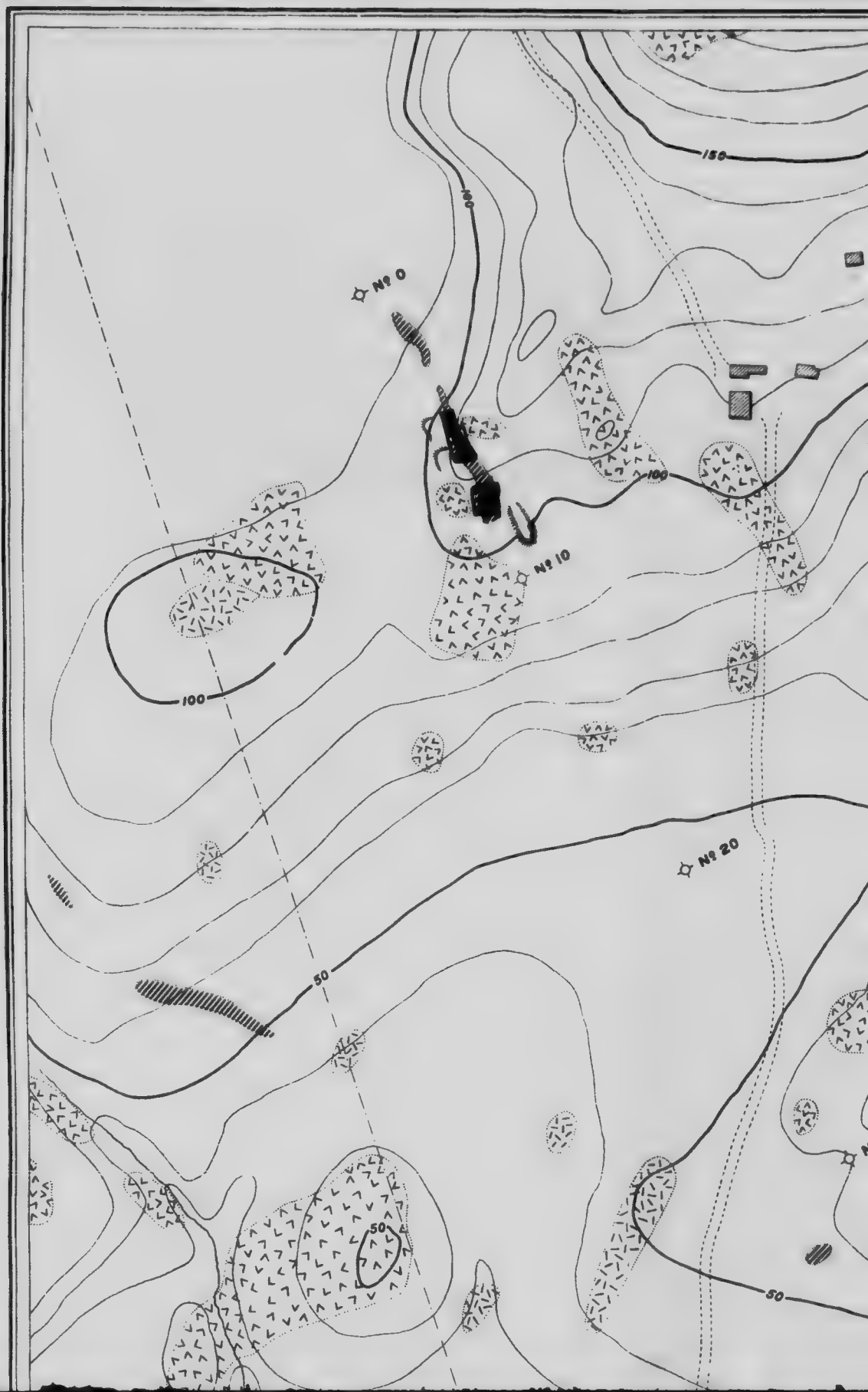
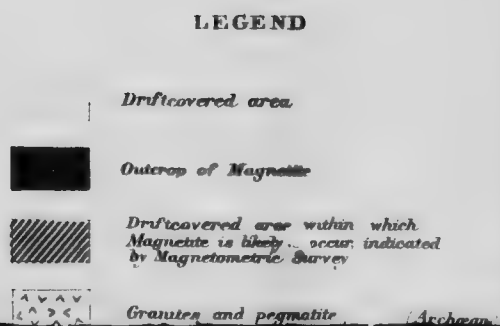
MINES BRANCH

ROGERS, MINISTER: A.P. LOW, LL.D., DEPUTY MINISTER

EUGENE HAANEL, PH.D., DIRECTOR



GEOLOGICAL MAP







**Canada**  
**DEPARTMENT OF MINES**  
**MINES BRANCH**

S. MINISTER: A.P. LOW, LL.D., DEPUTY MINISTER  
 SENE HAANEL, Ph.D., DIRECTOR








**LEGEND**

-  Roads and buildings
-  Corner posts and lot lines
-  Reference posts
-  Strippings


# LEGEND

*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity

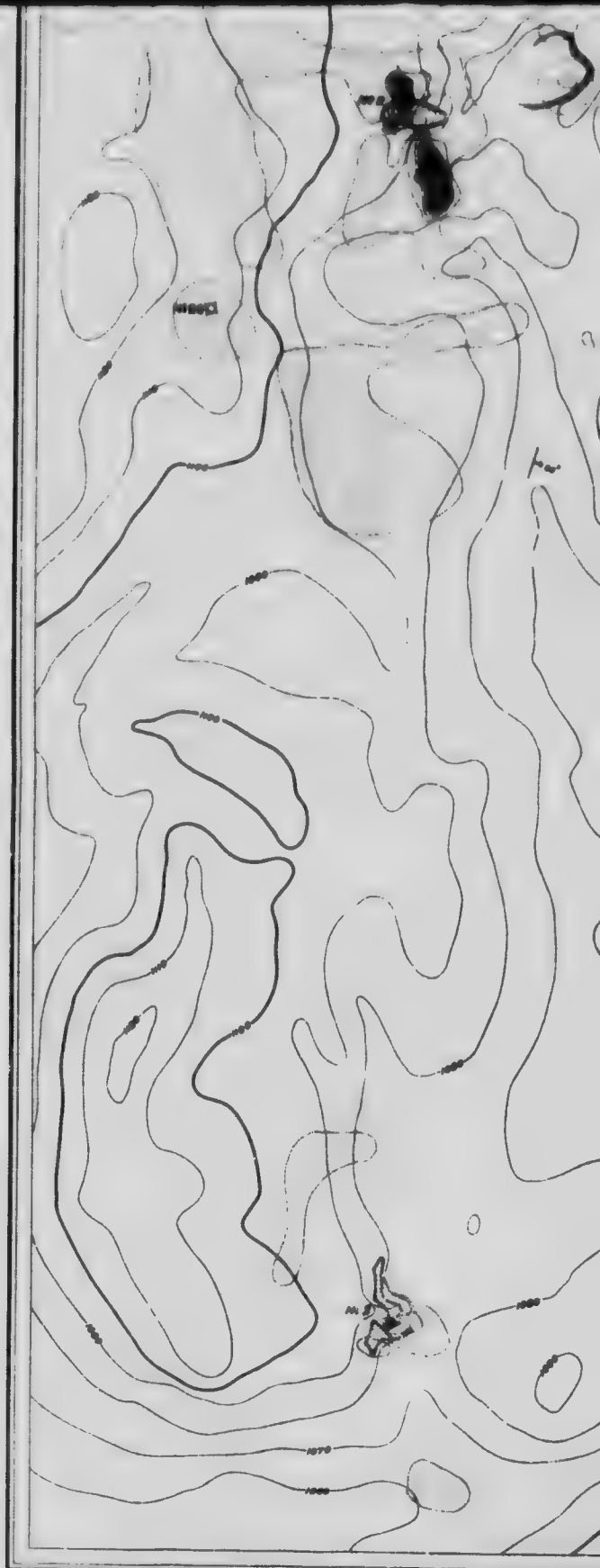
	Magnetic attraction greater than 60°
	between 50° - 60°
	" 40° - 50°
	" 20° - 40°
	" 0° - 20°

## Negative Intensity

	between 0° - 20°
	" - 20° - 40°
	" - 40° - 50°
	" - 50° - 60°

*Constant of Instrument - 1.0 H*

*Magnetic declination about 11°30' West*

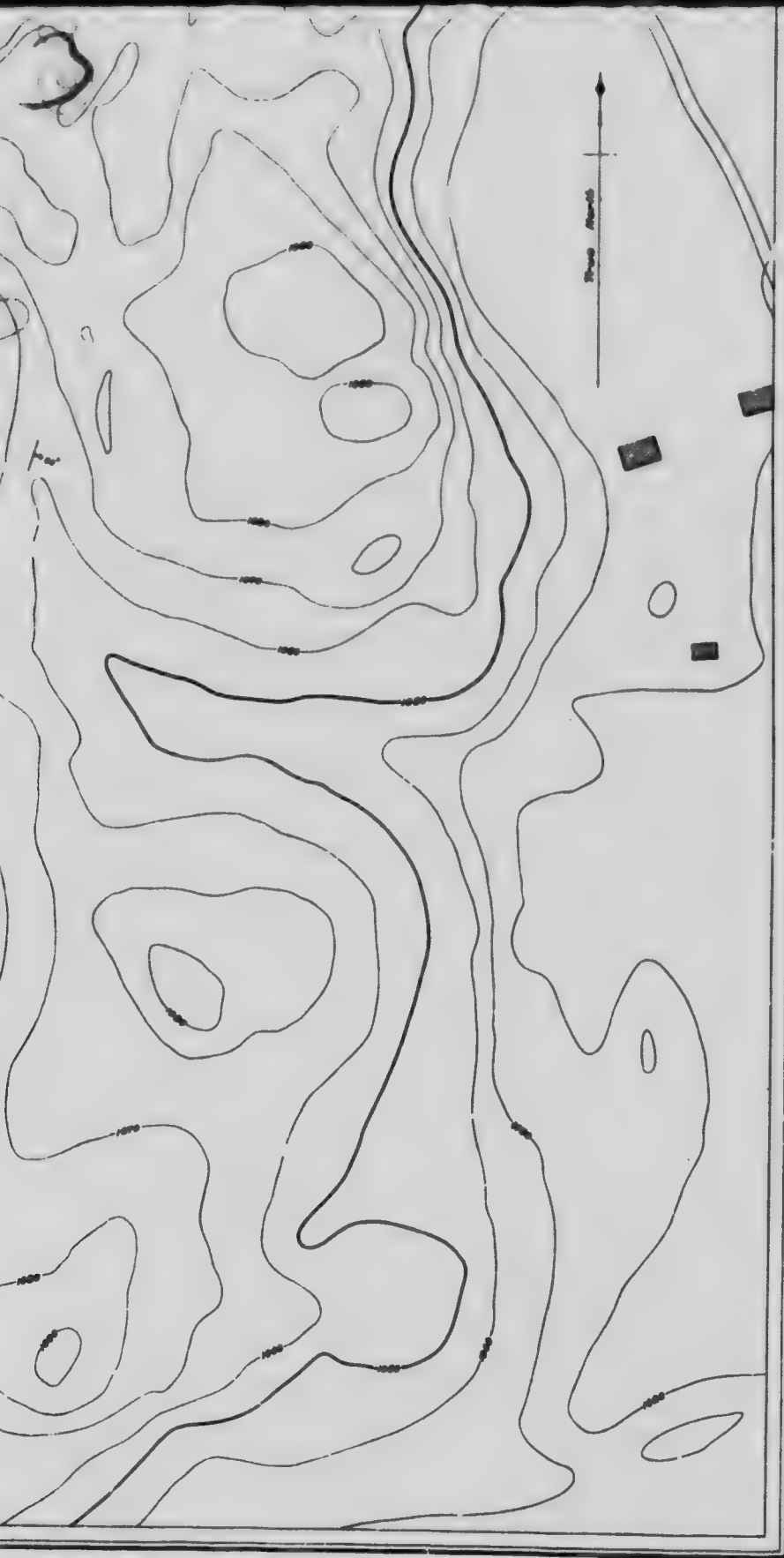


H. E. Baine, Chief Draughtsman;  
L. H. S. Pereira, Draughtsman

BAL  
LOT 1  
TOWN  
HAS

Scale





# **LEGEND**



Road and buildings



Reference point



Open cuts and Test pits



Contours, interval 10 feet  
Elevations above sea-level



Mine dumps







**BAKER MINE**  
**LOT 18, CON. XVIII**  
**TOWNSHIP OF TUDOR**  
**HASTINGS COUNTY**  
**ONTARIO**

Scale 1/4" = 100' to 1 inch

Surveyed by  
E. Lindeman 1911  
Assisted by O. G. Gallaher

No. 198

# LEGEND

-  *Driftcovered area.*
-  *Outcrop of Magnetite*
-  *Driftcovered area within which Magnetite is likely to occur, indicated by Magnetometric Survey*
-  *Diorite* (Archean)
-  *Crystalline limestone and amphibolites* "
-  *Strike and dip*



H. E. Beins, Chief Draughtsman  
L. H. S. Pereira, Draughtsman

BA  
LOT 1  
TOW.  
HAI

Scale





# **LEGEND**



*Roads and buildings*



*Reference points Lot lines*



*Open cuts and Test pits*



*Contours, interval 10 feet  
Elevations above sea-level*



*Mine dumps*

**BAKER MINE**  
**LOT 18, CON. XVIII**  
**TOWNSHIP OF TUDOR**  
**EASTINGS COUNTY**  
**ONTARIO**

*Geology by*  
**H. Laidman 1911**

No 1884

Scale 1 in = 200 feet



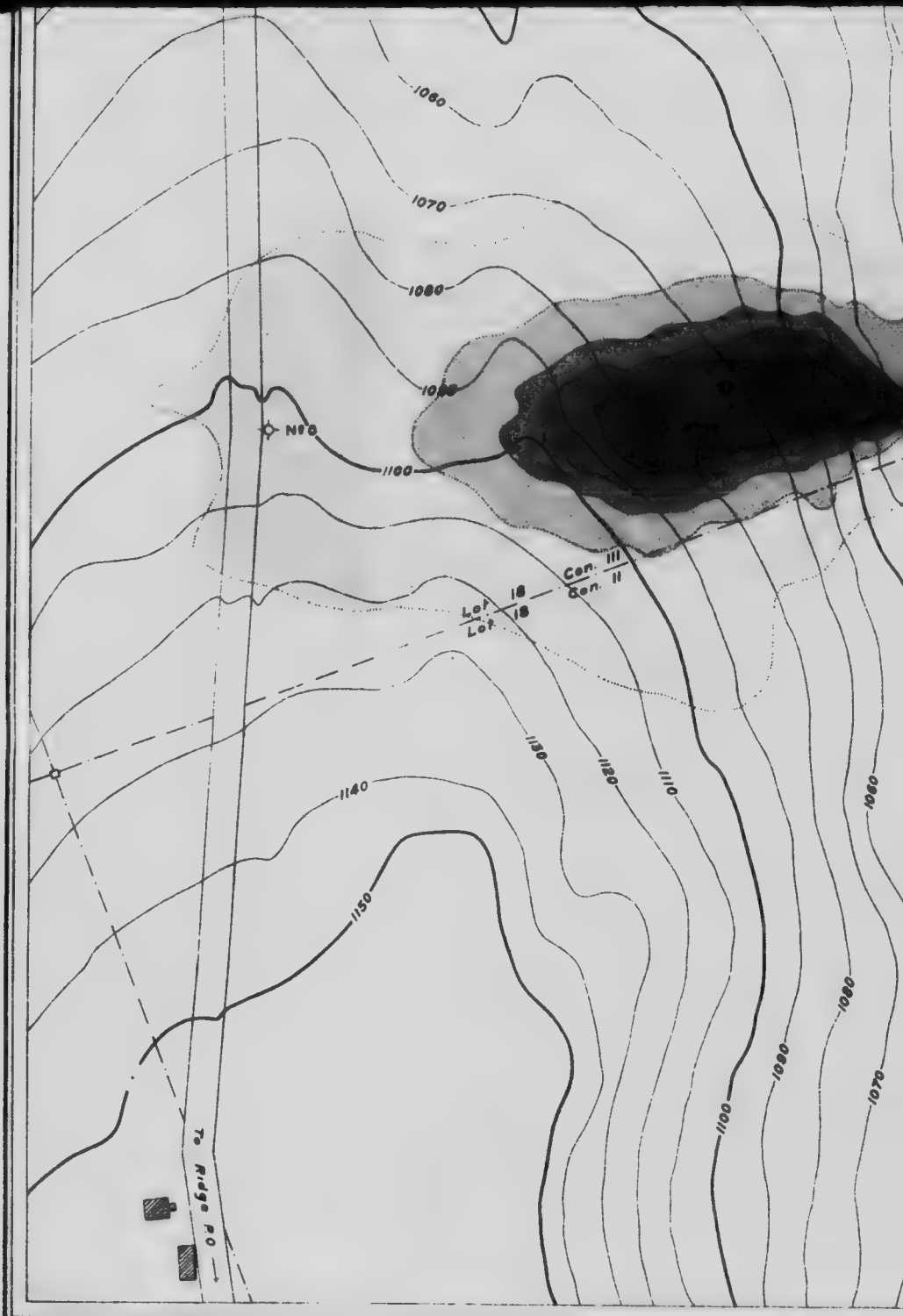
*Iso-dynamic lines of the vertical magnetic intensity*

**Positive Intensity**

	<i>Magnetic attraction greater than 60°</i>
	<i>between 50° 60°</i>
	<i>" 40° - 50°</i>
	<i>" 20° 40°</i>
	<i>" 0° - 20°</i>

<div style="border: 1px dashed black; width: 100px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div>	<i>between</i>	$0^{\circ}$	—	$-20^{\circ}$
<div style="border: 1px dashed black; width: 100px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div>	<i>"</i>	$-20^{\circ}$	—	$-40^{\circ}$

*Magnetic declination about 10° West*



H. E. Boina, Chief Draughtsman  
L. H. S. Pereira, Draughtsman



**RIDGE IRON ORE DEPOSITS**  
**LOTS 17 AND 18, CON. III, AND LOTS 16 AND 17, CON. II**  
**TOWNSHIP OF WOLLASTON**  
**HASTINGS COUNTY**  
**ONTARIO**

Scale 2000 - 2500' to 1 inch



Surveyed by  
E. Lindeman 1911  
Assisted by O. G. Gallaher



**RIDGE IRON ORE DEPOSITS**  
**LOTS 17 AND 18, CON. III, AND LOTS 16 AND 17, CON. II**  
**TOWNSHIP OF WOLLASTON**  
**HASTINGS COUNTY**  
**ONTARIO**

Scale 1/4" = 100' to 1 inch





# LEGEND



Road and buildings



Corner posts and Lot lines



Reference posts



Test pit



Strippings



Swamps



Contours, interval 10 feet  
Elevations above sea-level






NO. 189

Surveyed by  
E. Lin:eman 1911  
Assisted by O. G. Gallaher




# LEGEND

*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity

	Magnetic attraction greater than 60°
	between 50 60
	" 40 50
	" 20° 40°
	" 0 20

## Negative Intensity

	between 0° -20°
	" 20° -40°
	" -40° -50°

*Constant of Instrument - 1.0 H*

*Magnetic declination about 9° West*





# LEGEND

- Mine dumps
- Swamp
- Roads and buildings
- Corner posts and Lot lines
- Reference points
- Strippings
- Contours, interval 10 feet  
Elevations above level of  
Fraser Lake
- Mine dumps

Thickness of Magnetite



D. Covered area within which Magnetite is likely to occur, indicated in Magnetometric Survey



Granite and pegmatite (Archean)



Mica and hornblende schists



Crystalline limestone

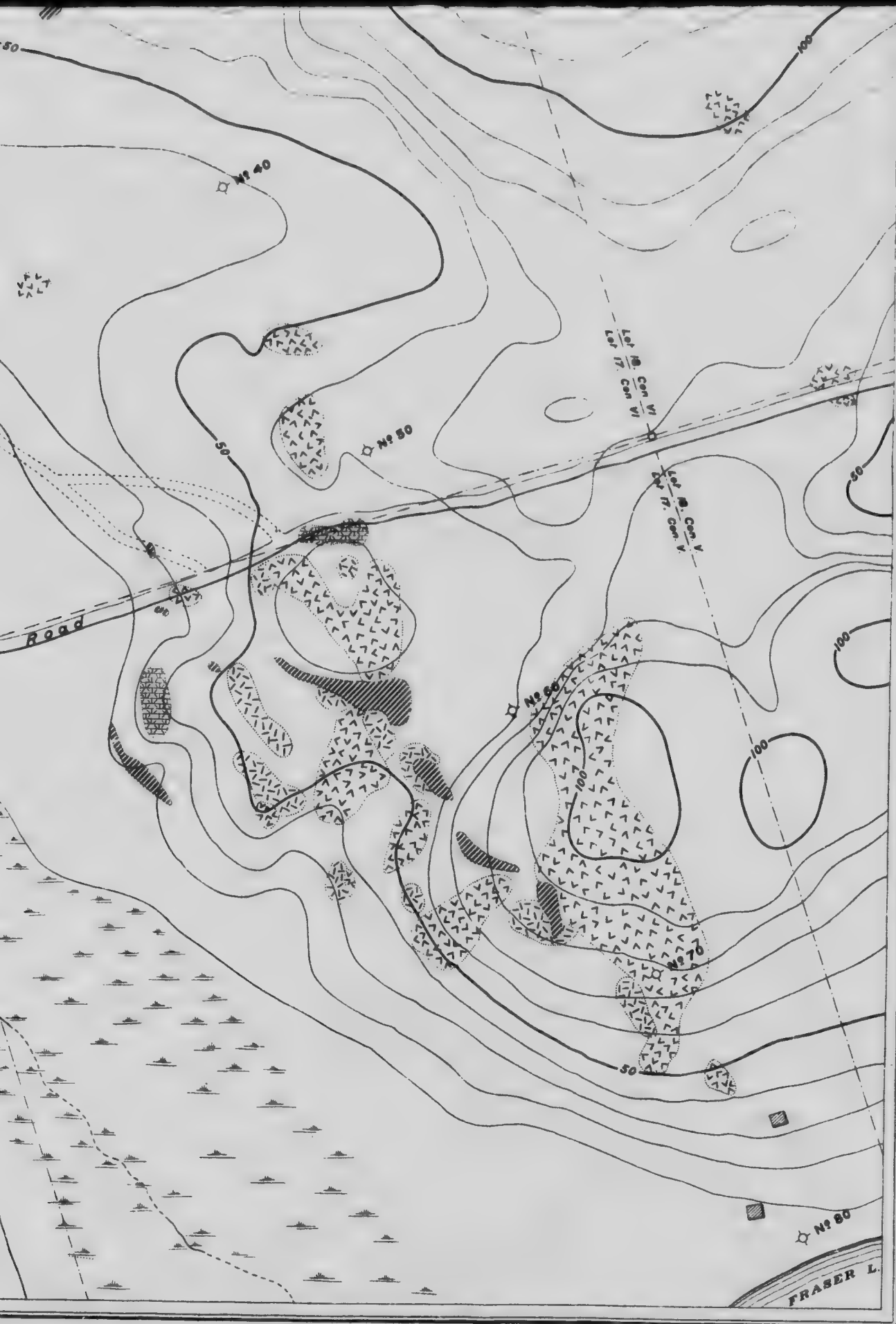








Strike and dip



H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman

**IRON ORE**  
LOTS 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100  
Scale 1" = 100'



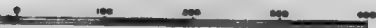
-  Corner posts and Lot lines
-  Reference posts
-  Strippings
-  Swamps
-  Contours, interval 10 feet  
Elevations above level of Fraser Lake
-  Mine dumps

**ON ORE DEPOSITS**  
 17, 18, CON. VI AND LOT 17 CON. V  
 CARLOW TOWNSHIP  
 ONTARIO

Geology by  
 E. Lindeman 1911

NO. 193A

Scale 240' to 1 inch



D'PART

MIP






Hon. Robert Robert Min  
Eugene I

# MAGNETOMETRIC MAP




## LEGEND

*Isodynamic lines of the vertical  
magnetic intensity*

### Positive Intensity

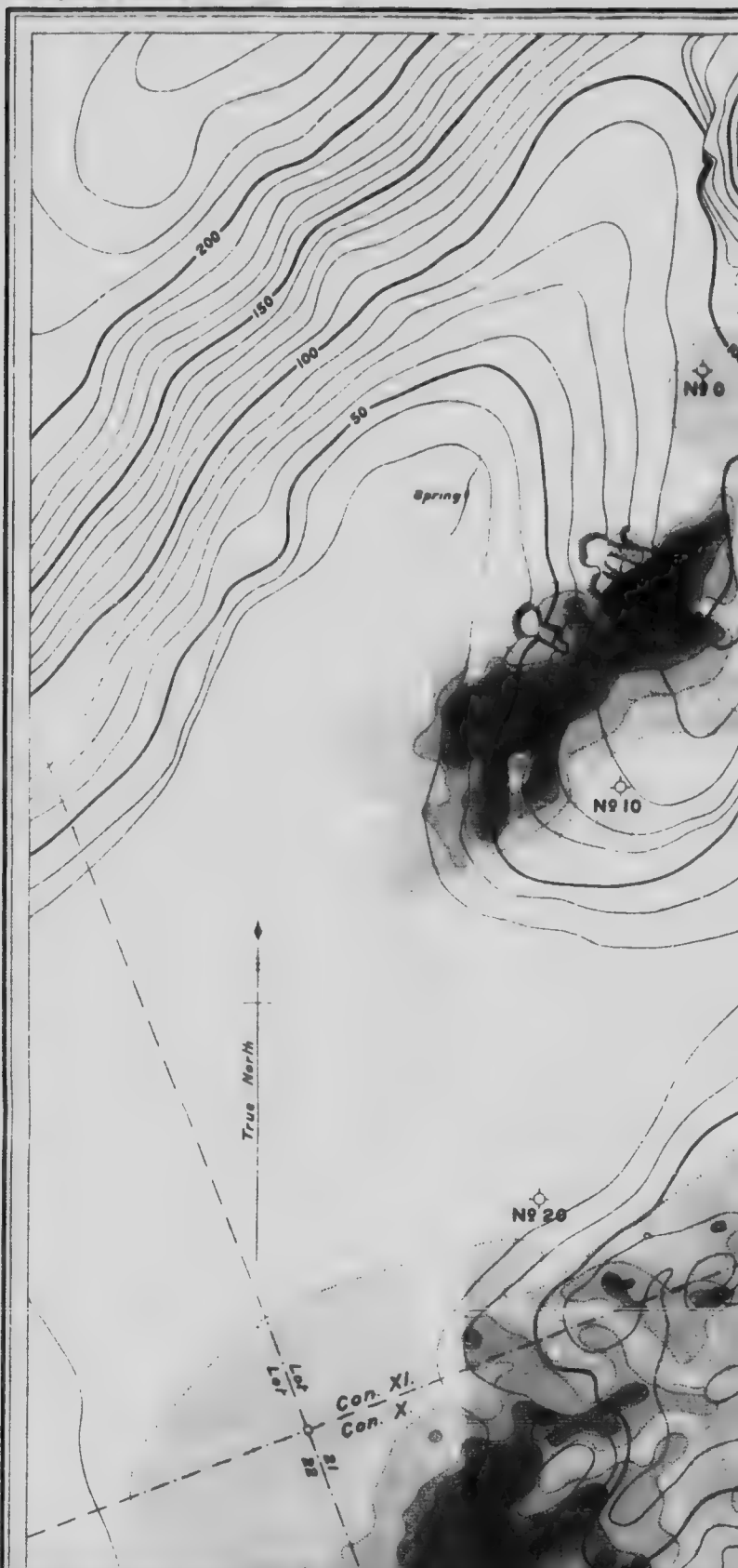
	<i>Magnetic attraction greater than 60°</i>
	<i>between 50° - 60°</i>
	<i>" 40° - 50°</i>
	<i>" 20° - 40°</i>
	<i>" 0° - 20°</i>

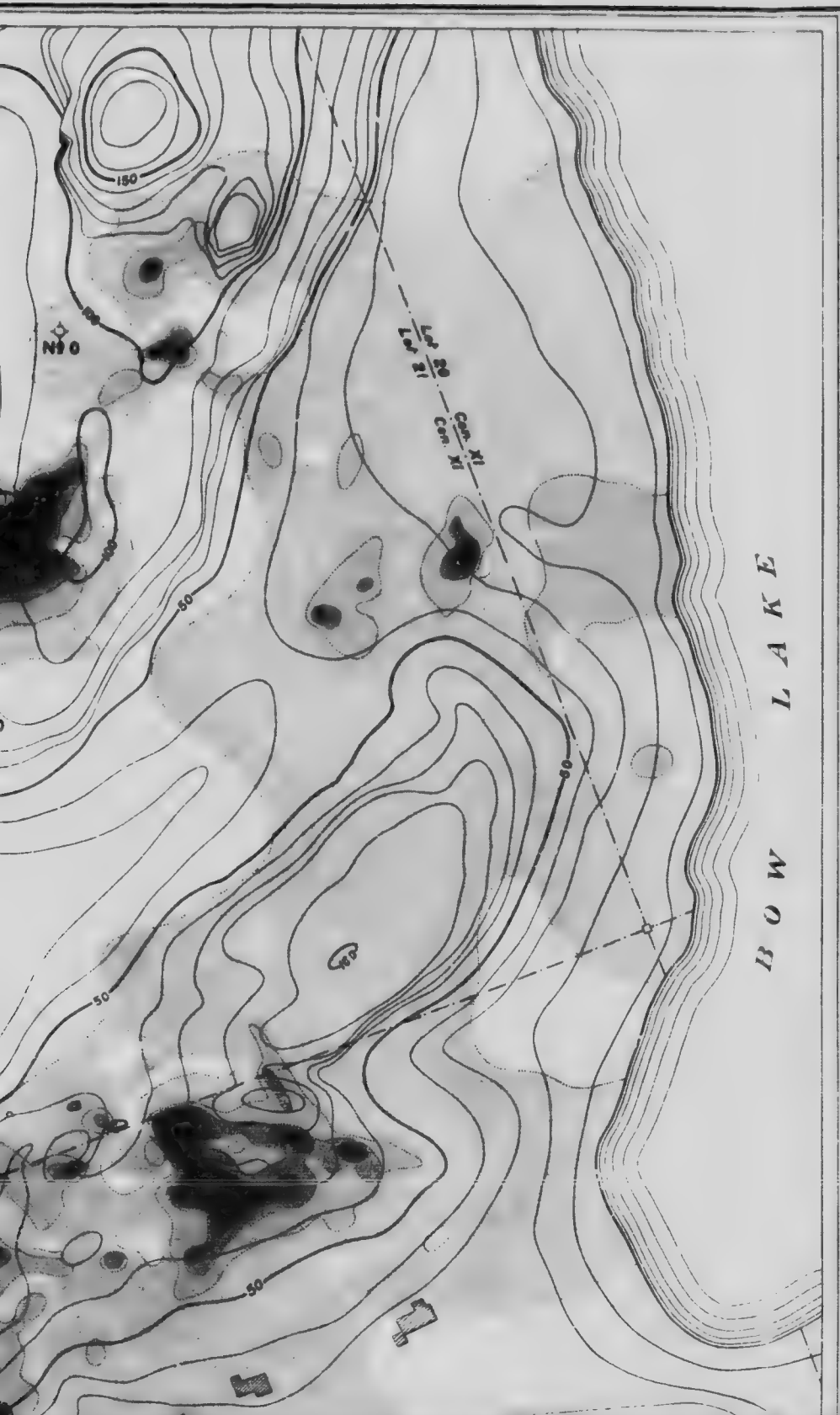
### Negative Intensity

	<i>between 0° - 20°</i>
	<i>" - 20° - 40°</i>
	<i>" - 40° - 60°</i>

*Constant of Instrument - 1.0 H*

*Magnetic declination about 9° West*





# LEGEND



Roads and buildings



Corner posts and Lot lines



Reference posts



Open cuts and Test pits



Strippings



Contours, interval 10 feet,  
 based on assumed elevation  
 of Bow Lake - 0



Mine dumps

# MAGNETOMETRIC MAP

## LEGEND

*Isodynamic lines of the vertical magnetic intensity*

### Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° - 60°*



*" 40° - 50°*



*" 20° - 40°*



*" 0° - 20°*

### Negative Intensity



*between 0° - 20°*



*" 20° - 40°*



*" 40° - 50°*



*" 50° - 60°*



*Magnetic attraction greater than 60°*

*Constant of Instrument - 1.0H*

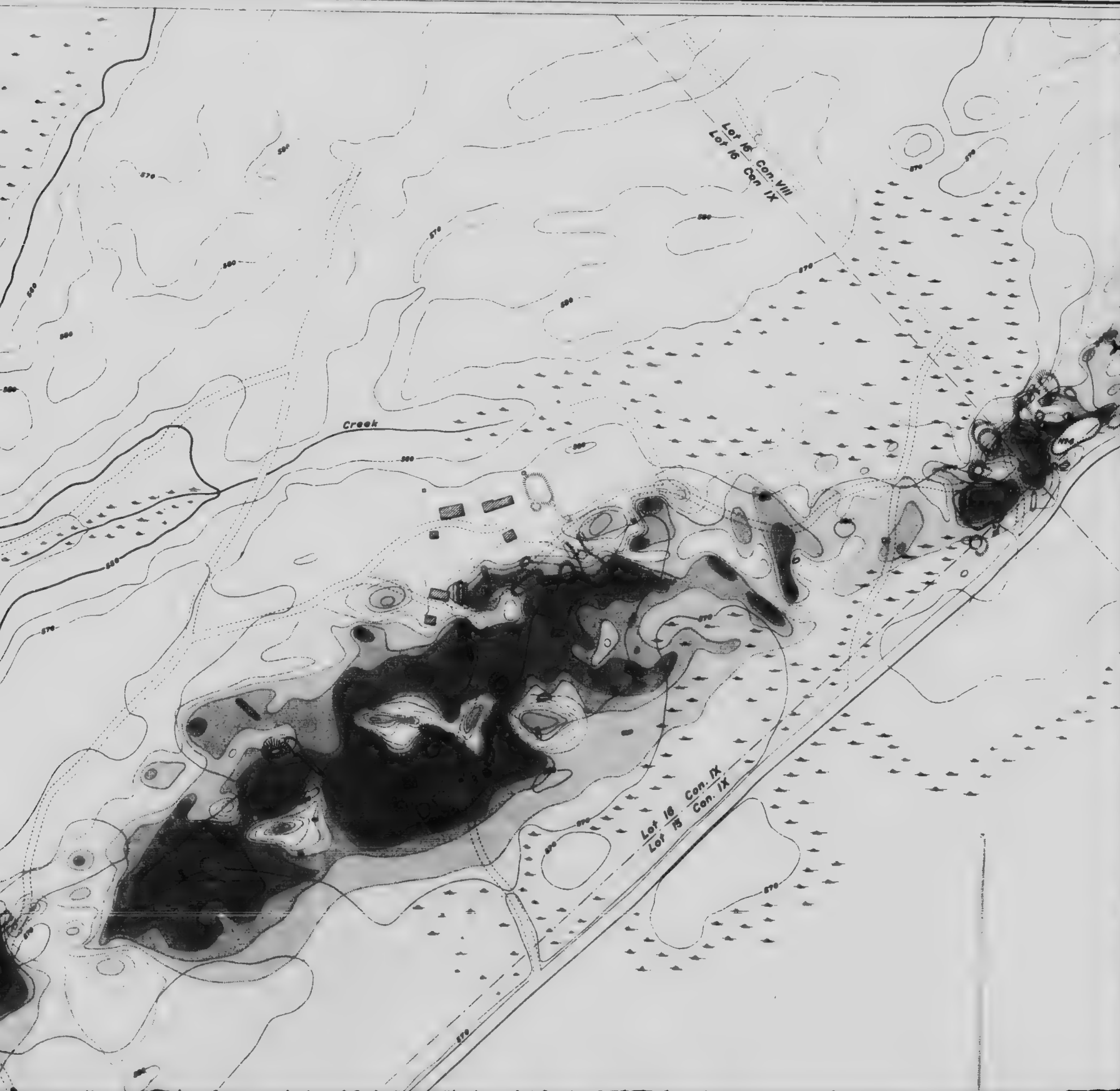
*Magnetic declination about 11° West*



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DEPARTMENT OF MINES  
MINES BRANCH

HON. LOUIS CODERRE, MINISTER; A. P. LOW, LL.D., DEPUTY MINISTER  
EUGENE HAANEL, PH.D., DIRECTOR

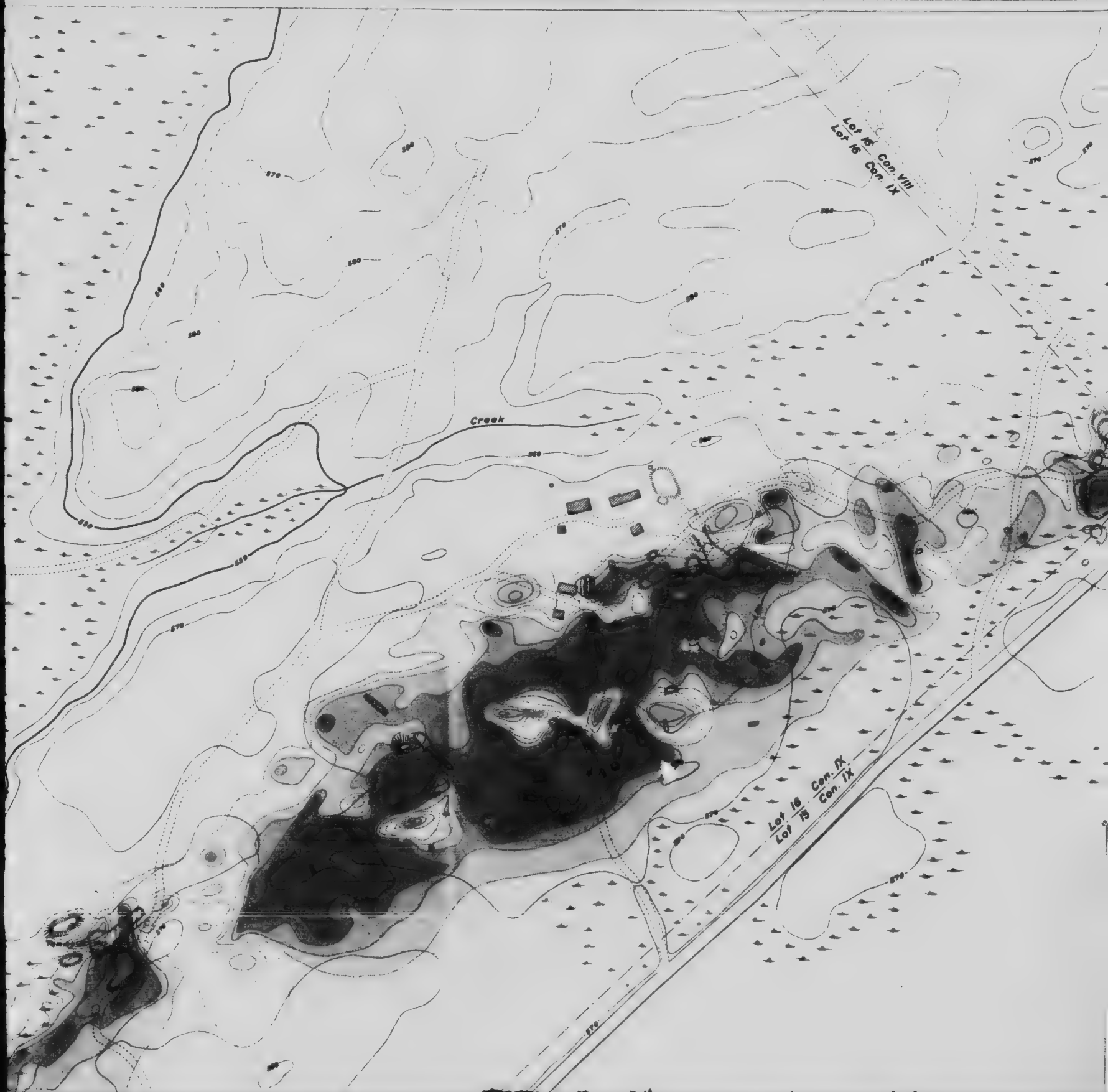
1913



Canada  
DEPARTMENT OF MINES  
MINES BRANCH










HON. LOUIS CODERRE, MINISTER, A.P. LOW, LL.D., DEPUTY MINISTER  
EUGENE HAANEL, PH.D., DIRECTOR

1913





# LEGEND

-  Roads and buildings
-  Corner post and Lot lines
-  Reference posts
-  Open cuts and Test pits
-  Shafts
-  Strippings
-  Swamps
-  Contours, interval 10 feet  
Elevations above sea-level
-  Mine dumps

between 0 20

20 40

40 60

Constant of Instrument 10 H

Magnetic declination about 9 West



H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman

IRON C  
LOTS 16, 17  
CA

Scale  
100 0



Elevations above level of  
Fraser Lake

Mine dumps

# **IRON ORE DEPOSITS** **LOTS 16, 17, 18, CON. V AND VI** **CARLOW TOWNSHIP** **ONTARIO**

Scale 1:200 to 1 inch






Surveyed by  
 E. Lindeman 1911  
 Assisted by W. M. Morrison

NO. 193


# LEGEND

*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity

	Magnetic attraction greater than	60'
	between	50' 60'
	"	40' 50'
	"	20' 40'
	"	0' 20'

## Negative Intensity

	between	0' - 20'
	"	20' - 40'
	"	40' - 60'

Constant of Instrument 10 H

Magnetic declination about 9° West










H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman

**BOW LAKE IR**  
**LOT 21 C**  
**TOWNSHIP**  
**HASTI**

Scale  
100 0 100



# LEGEND

-  Road and buildings
-  Corner posts and lot lines
-  Reference posts
-  Open cuts and test pits
-  Strippings
-  Contours, interval 10 feet, based on assumed elevation of How Lake - 0
-  Mine dumps

## KE IRON ORE DEPOSITS

LOT 21 CONS. X AND XI  
 TOWNSHIP OF FARADAY  
 HASTINGS COUNTY  
 ONTARIO

Surveyed by  
 E. Lindeman 1911  
 Assisted by W. M. Morrison

Scale 100 - 200' to 1 inch



## LEGEND

*Isodynamic lines of the vertical  
magnetic intensity*

## Positive Intensity



*Magnetic attraction greater than 60*



*between 50 60*



*" 40 50*



*" 20 40*



*" 0 20*

## Negative Intensity

*between 0 - 20*

*20 - 40*

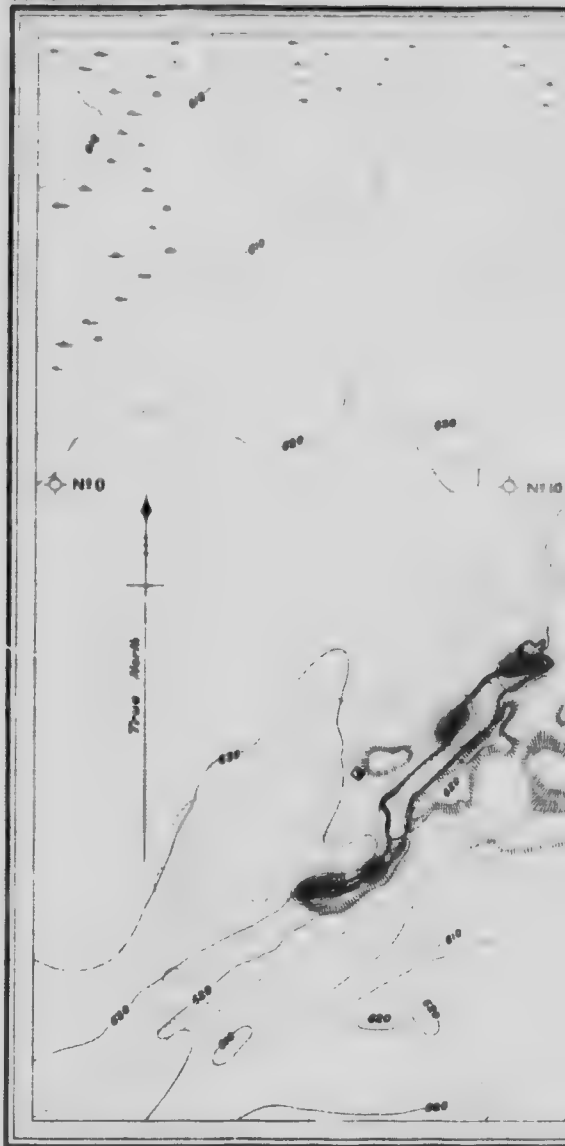
*" 40 50*

*" greater than 50*

*Constant of Instrument 10 H*

*Magnetic declination about 10° 30' West*

## MAGNETOMETRIC MAP



*H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman*

**BLACK BAY**

**LOT**

**BAG**

**REI**

Scale



Canada

DEPARTMENT OF MINES








MINES BRANCH

LOUIS COCHRAN, MINISTER A. F. LOW, LL.D. DEPUTY MINISTER  
EUGENE HANDEL, P.E. DIRECTOR

1913



LEGEND

-  Road and buildings
-  Reference point
-  Shaft
-  Open cuts
-  Swamps
-  Contours, interval 10 feet  
Elevations above sea level
-  Mine dumps

No 250

BAY OR WILLIAMS MINE

LOT 22, CON. XI  
BAGOT TOWNSHIP  
KENNEW COUNTY  
ONTARIO

Surveyed by  
E. Lindeman 1911  
Assisted by N. D. Bothwell






Scale 1 in. = 200' to 1 inch








# LEGEND

*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity

	Magnetic attraction greater than 60
	between 50° - 60°
	" 40° - 50°
	" 20° - 40°
	" 0° - 20°

## Negative Intensity

	between 0° - -20°
	" -20° - -40°
	" -40° - -50°
	" 50° - -60°
	Magnetic attraction greater than -60°

*Constant of Instrument - 1.0H*

*Magnetic declination about 11° West*



H. E. Beine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman



**CALDWELL AND CAMPBELL MINES**  
**LOTS 15 AND 16, CONS. VIII AND IX**  
**HAGOT TOWNSHIP**  
**RENFREW COUNTY**  
**ONTARIO**

Scale 1/4" = 200' to 1 inch

Surveyed by  
**E. Nystrom 1908**  
**E. Lindeman 1911**  
 Assisted by N. D. Bothwell



# **CALDWELL AND CAMPBELL MINES**

**LOTS 15 AND 16, CONS. VIII AND IX**

**BAGOT TOWNSHIP**

**RENFREW COUNTY**

**ONTARIO**










Scale 100 - 500' to 1 inch

100 0 100 200 300 400

Surv  
E. N  
E. L  
Assi



# LEGEND

-  Roads and buildings
-  Corner post and Lot lines
-  Reference posts
-  Open cuts and Test pits
-  Shafts
-  Strippings
-  Swamps
-  Contours, interval 10 feet  
Elevations above sea-level
-  Mine dumps



NO. 249

Surveyed by  
E. Nystrom 1909  
E. Linveman 1911  
Assisted by N. D. Bo'well

# MAGNETOMETRIC MAP

## LEGEND

*Isodynamic lines of the vertical magnetic intensity*

### Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° -- 60°*



*" 40° -- 50°*



*20° -- 40°*



*" 0° -- 20°*

### Negative Intensity



*between 0° -- -20°*



*" -20° -- -40°*



*" -40° -- -50°*



*" -50° -- -60°*



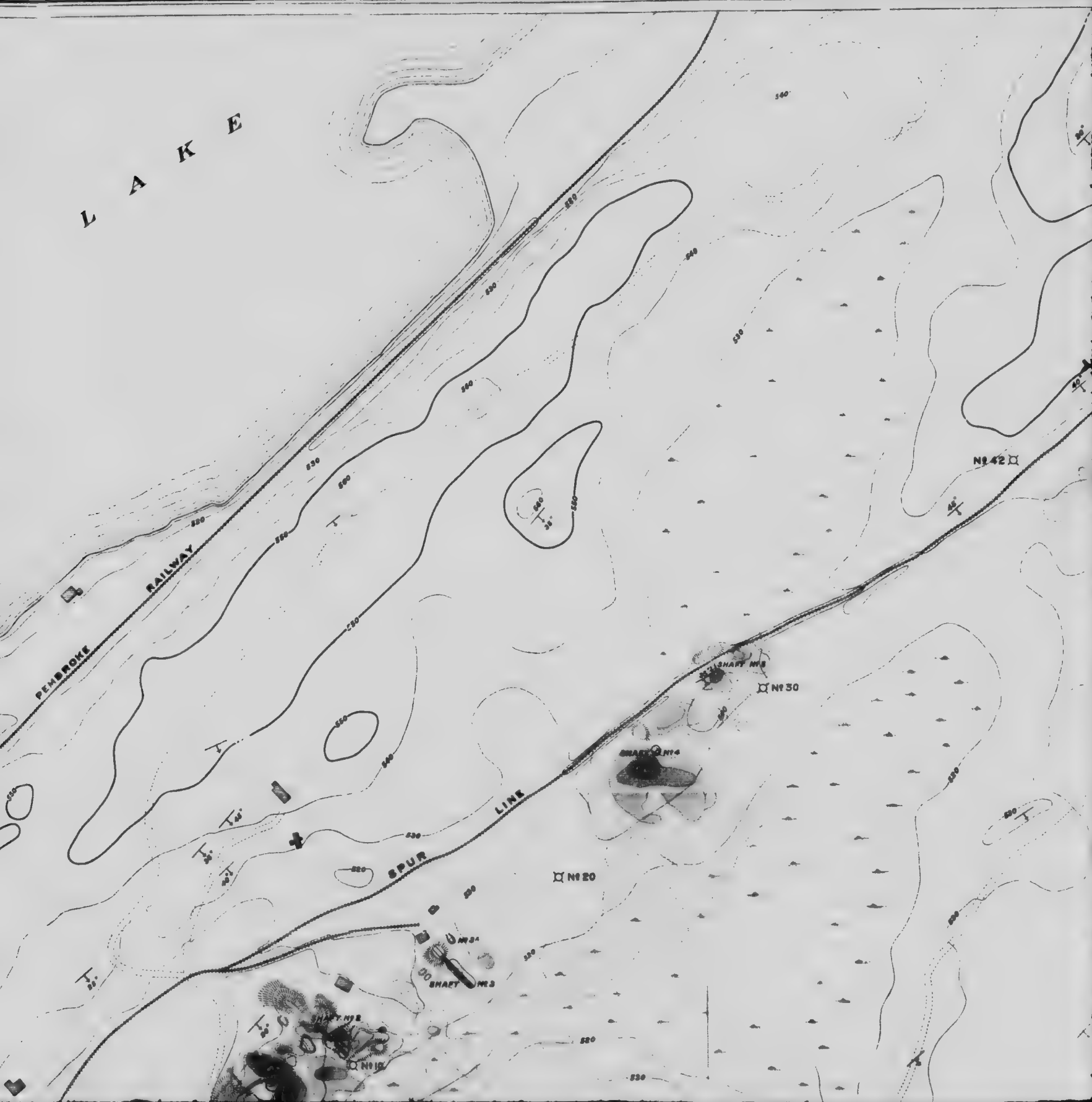
*Magnetic attraction greater than -60°*



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DEPARTMENT OF MINES  
MINES BRANCH

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EUGENE HAANEL, PH.D., DIRECTOR

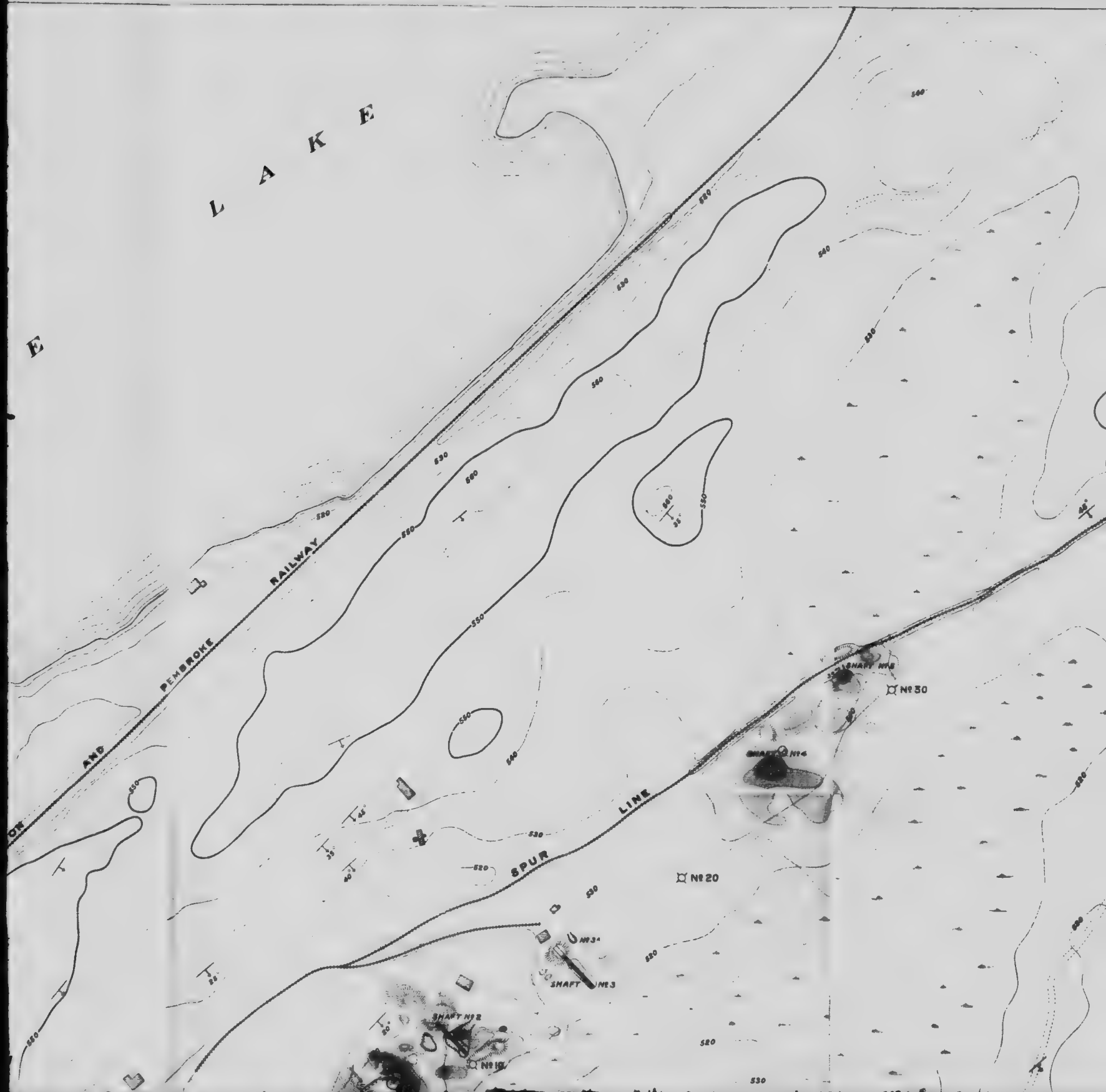
1913



Canada  
DEPARTMENT OF MINES  
MINES BRANCH












HON. LOUIS CODERRE, MINISTER: A. P. LOW, LL.D., DEPUTY MINISTER  
EUGENE HAANEL, PH.D., DIRECTOR

1913





# LEGEND

-  Road and buildings
-  Reference posts
-  Railways
-  Elevated tramway
-  Bridge
-  Open cuts
-  Stripping
-  Pits filled with water
-  Swamps
-  Contours, interval 10 feet  
Elevations above sea-level
-  Mine dumps

# MAGNETOMETRIC MAP

## LEGEND

*Isodynamic lines of the vertical  
magnetic intensity*

### Positive Intensity



*Magnetic attraction greater than 60'*



*between 50 -- 60*



*" 40 -- 50*



*" 20 -- 40*

*" 0 -- 20*

### Negative Intensity

*between 0 -- 20*

*" 20 -- 40*

*" 40 -- 50*

*" 50 -- 60*



*Magnetic attraction greater than - 60'*

*Constant of Instrument 10 H*

*Magnetic declination about 11° 30' West*

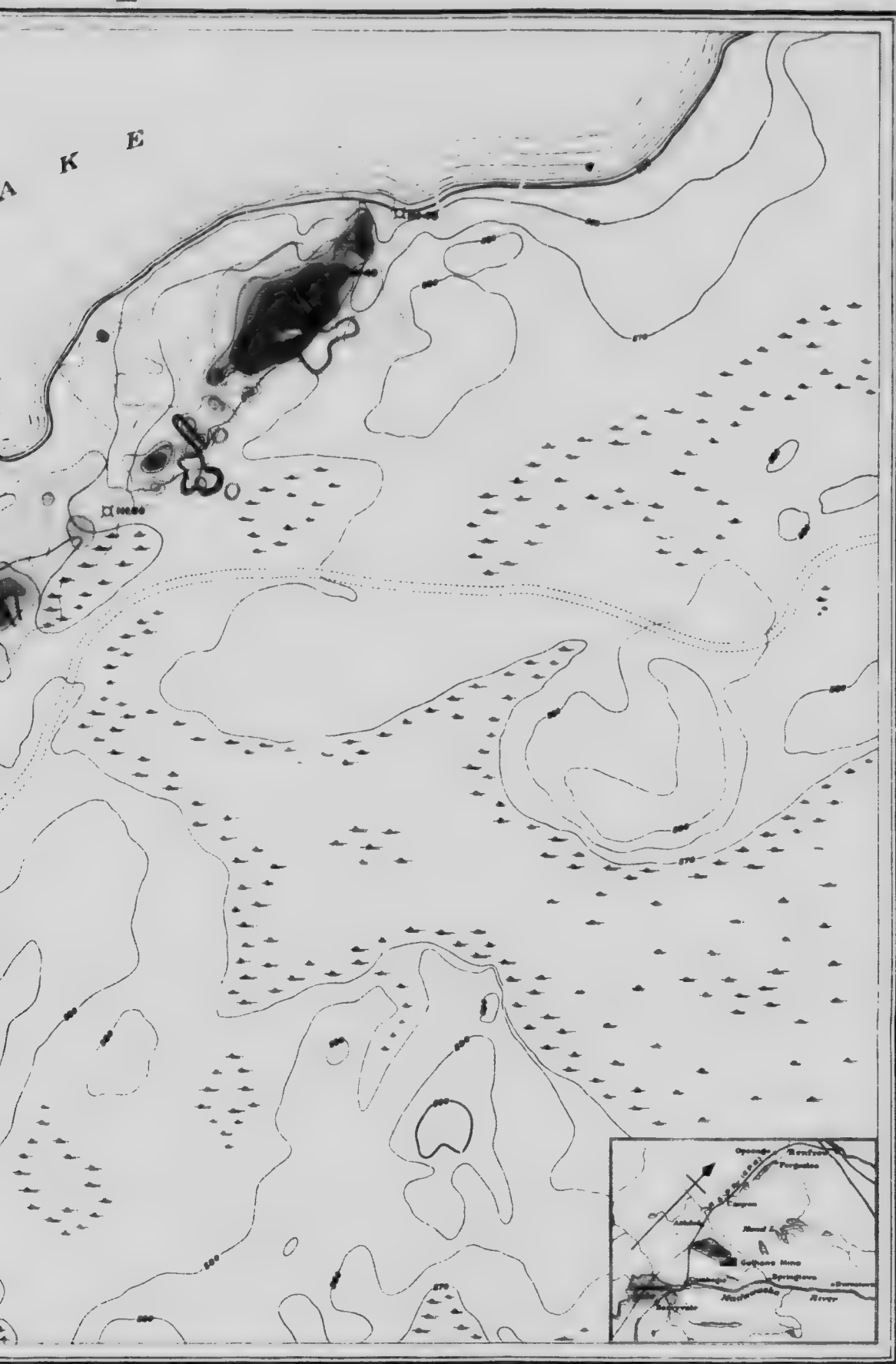


H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman










CUL  
LOT  
BAGO  
REN

Scale





LEGEND

-  Roads and buildings
-  Reference posts
-  Diamond drill hole
-  Shaft
-  Open cuts and Test pits
-  Stripping
-  Swamps
-  Contours interval 10 feet  
Elevations above sea level
-  Mine dumps

NO. 252

**CULHANE MINE**  
LOT 21, CON. VII  
BAGOT TOWNSHIP  
HENFREW COUNTY  
ONTARIO

Surveyed by  
E. Lindeman 1911  
Assisted by N. D. Bolwell

Scale 200' to 1 inch








## MAGNETOMETRIC MAP

## LEGEND

*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity

	Magnetic attraction greater than 60°
	between 50° - 60°
	" 40° - 50°
	" 20° - 40°
	" 0° - 20°

## Negative Intensity

	between 0° - 20°
	" - 20° - 40°
	" - 40° - 60°

Constant of Instrument - 1.0 H

Magnetic declination 9° West



H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman








MARTEL  
LOT

**Canada**  
**DEPARTMENT OF MINES**  
**MINES BRANCH**

Hon. Louis Casagrande, Minister; A. P. Low, LL.D., Deputy Minister  
 Eugene Haedel, Ph.D., Director  
 1913



**LEGEND**

-  Roads and buildings
-  Corner posts and Lot line
-  Reference posts
-  Diamond drill hole
-  Strippings
-  Pits filled with water
-  Mine dumps

**MARTEL OR WILSON IRON MINE**  
**LOTS 13 AND 14, CON. X**  
**BAGOT TOWNSHIP**  
**BRADFORD COUNTY**  
**ONTARIO**  
 Scale 100 = 200' to 1 inch

Surveyed by  
 E. Lindeman 1911  
 Assisted by N. D. Bethwell

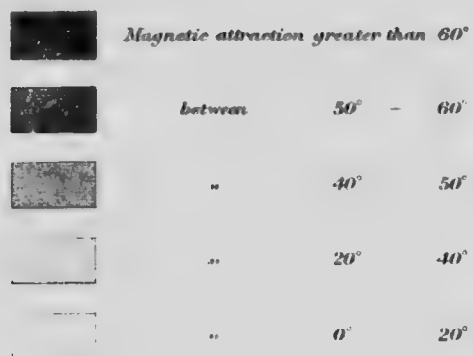
No. 253

# MAGNETOMETRIC MAP

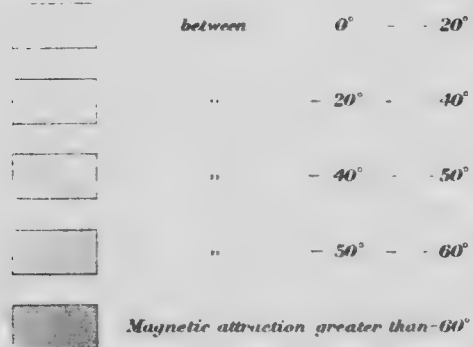
## LEGEND

*Isodynamic lines of the vertical magnetic intensity*

### Positive Intensity

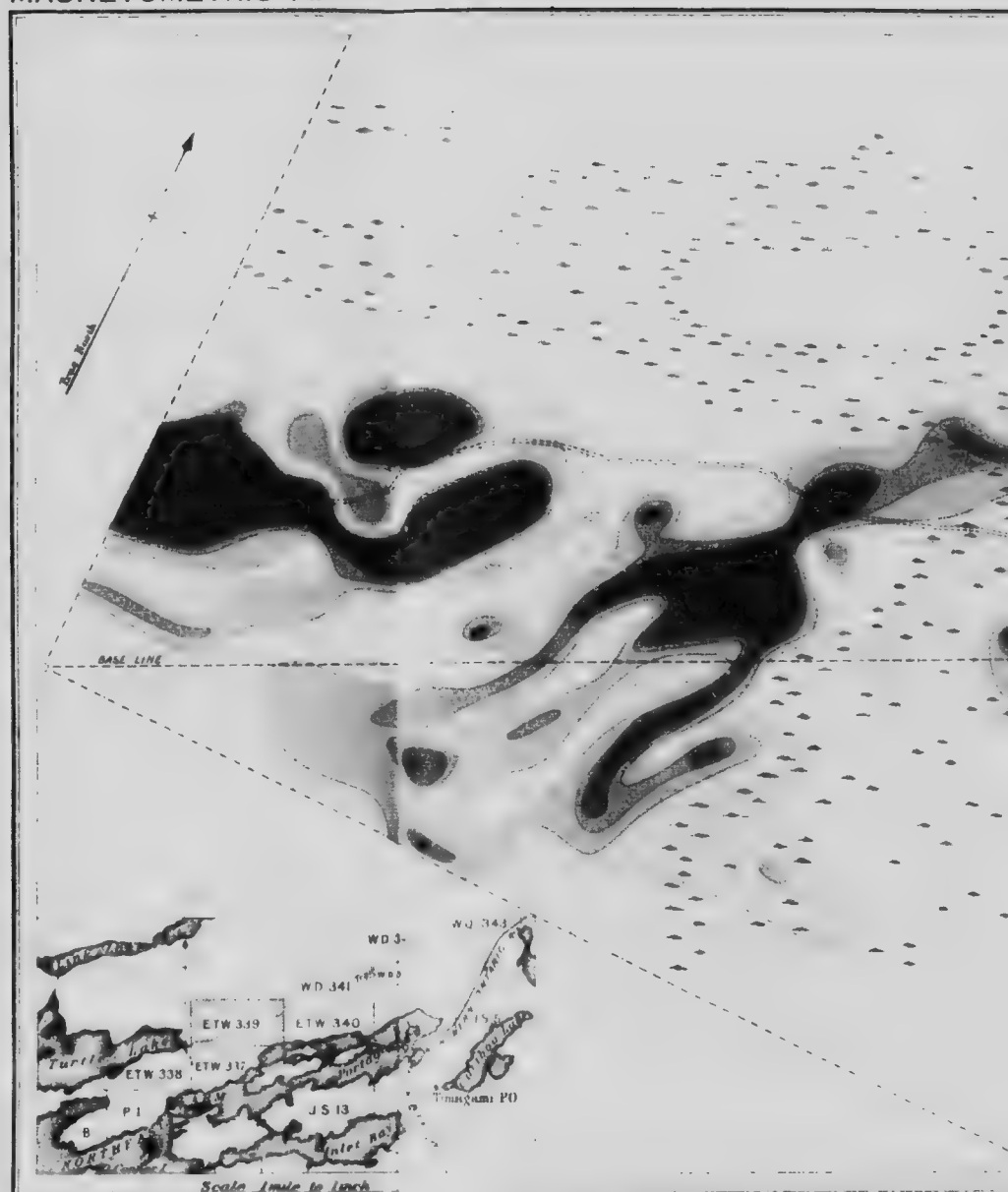


### Negative Intensity



Constant of Instrument - 0.85 H

Magnetic declination about 8° West



H. E. Baine, Chief Draughtsman  
D. Westwood, Draughtsman

**Canada**  
**DEPARTMENT OF MINES**  
**MINES BRANCH**

HON. LOUIS CODERRE, MINISTER. A. P. LOW, LL.D., DEPUTY MINISTER  
EUGENE HAANEL, PH.D., DIRECTOR  
1903

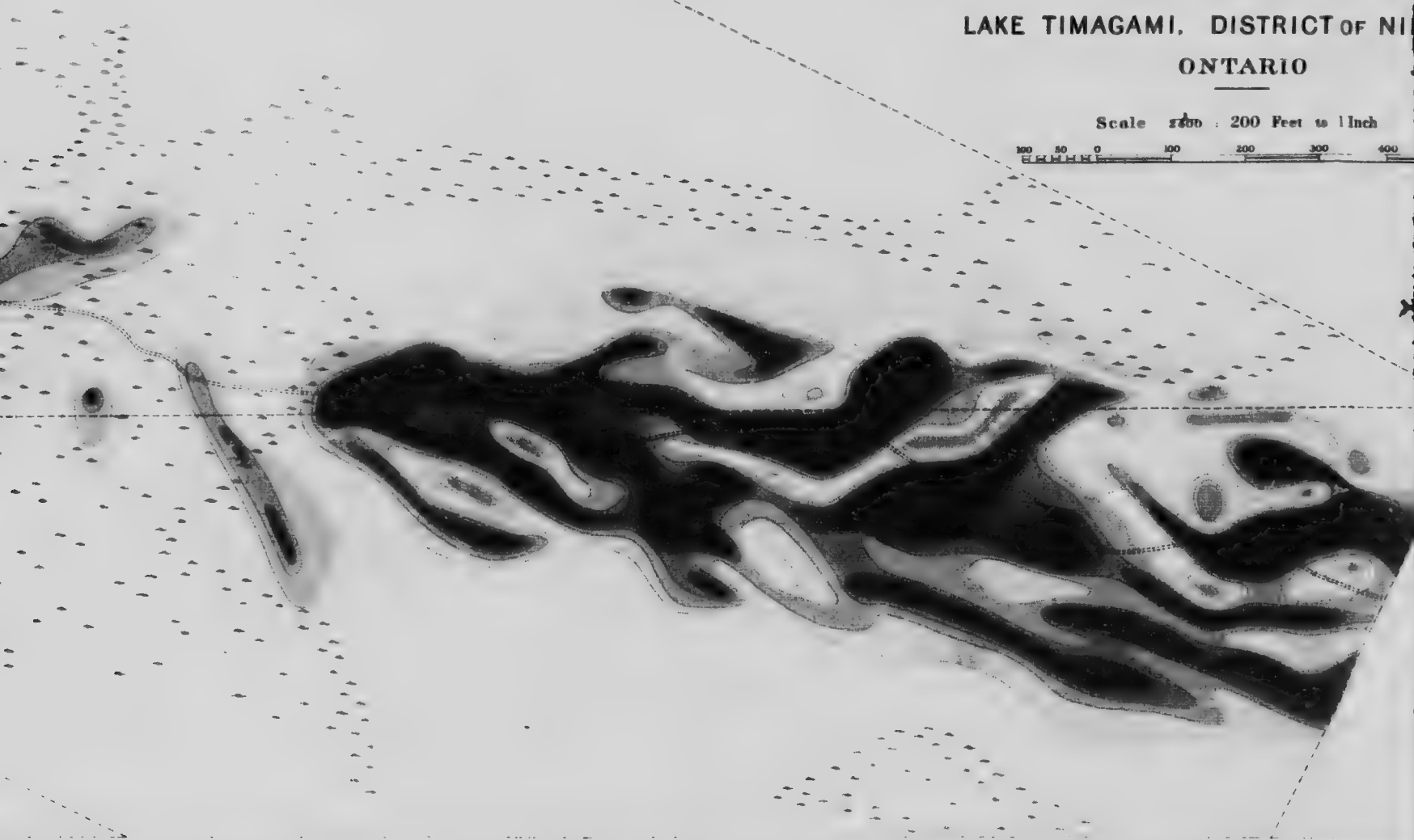
**NORTHEAST ARM IRON**

LOT 339 E.T.W

LAKE TIMAGAMI, DISTRICT OF NI  
ONTARIO

Scale 200 Feet to 1 Inch

100 50 0 100 200 300 400



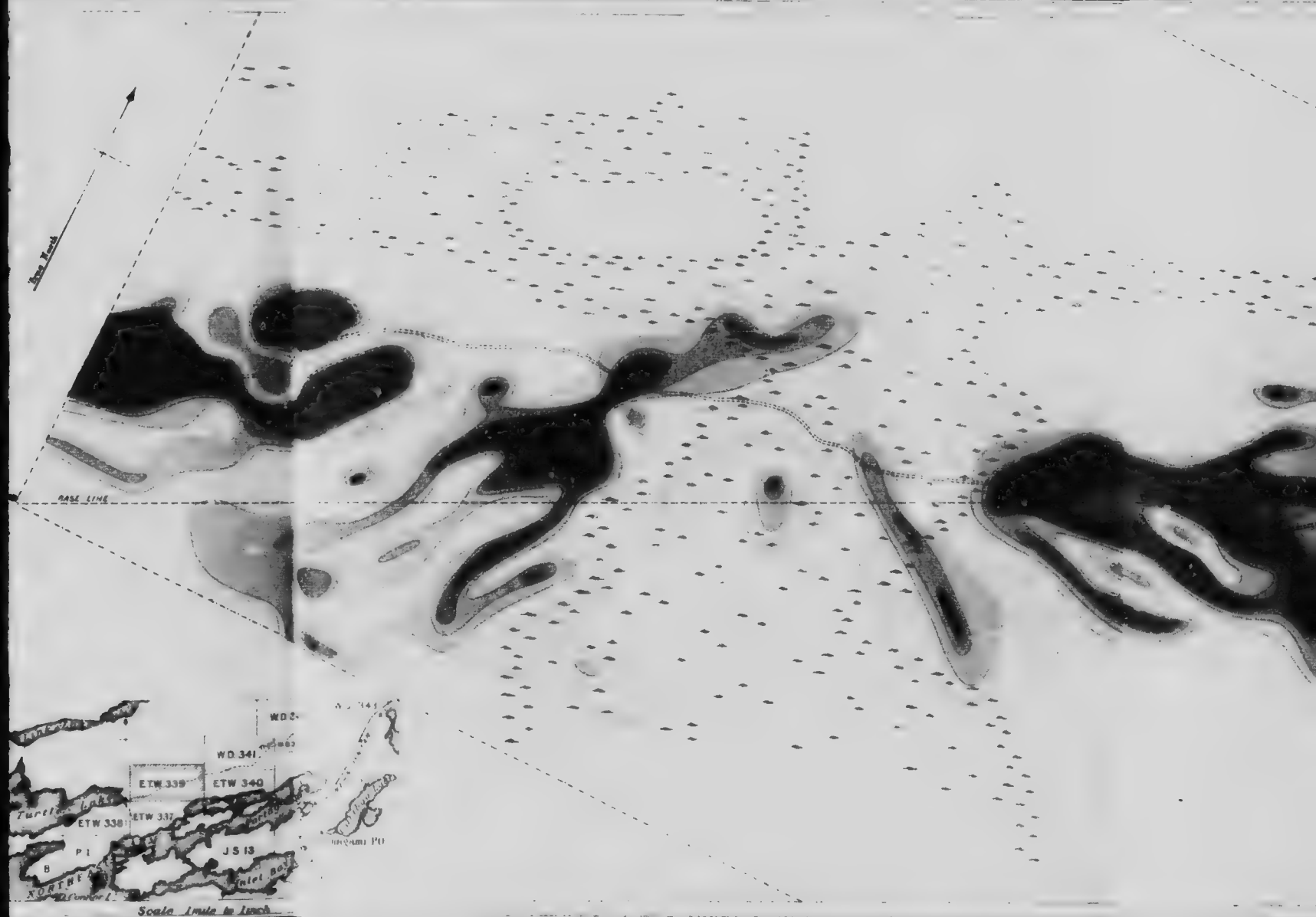
Surveyed by  
E. Nyström 1903

Canada  
DEPARTMENT OF MINES  
MINES BRANCH

HON. LOUIS CODERRE, MINISTER. A. FLOW, LL.D. DEPUTY MINISTER  
EUGENE HAANEL, PH.D. DIRECTOR

1913

MAGNETOMETRIC MAP



E. Baine, Chief Draughtsman  
Westwood, Draughtsman

# NORTHEAST ARM IRON RANGE

LOT 339 E.T.W

LAKE TIMAGAMI, DISTRICT OF NIPISSING  
ONTARIO

Scale 2000 . 200 Feet to 1 Inch



## LEGEND



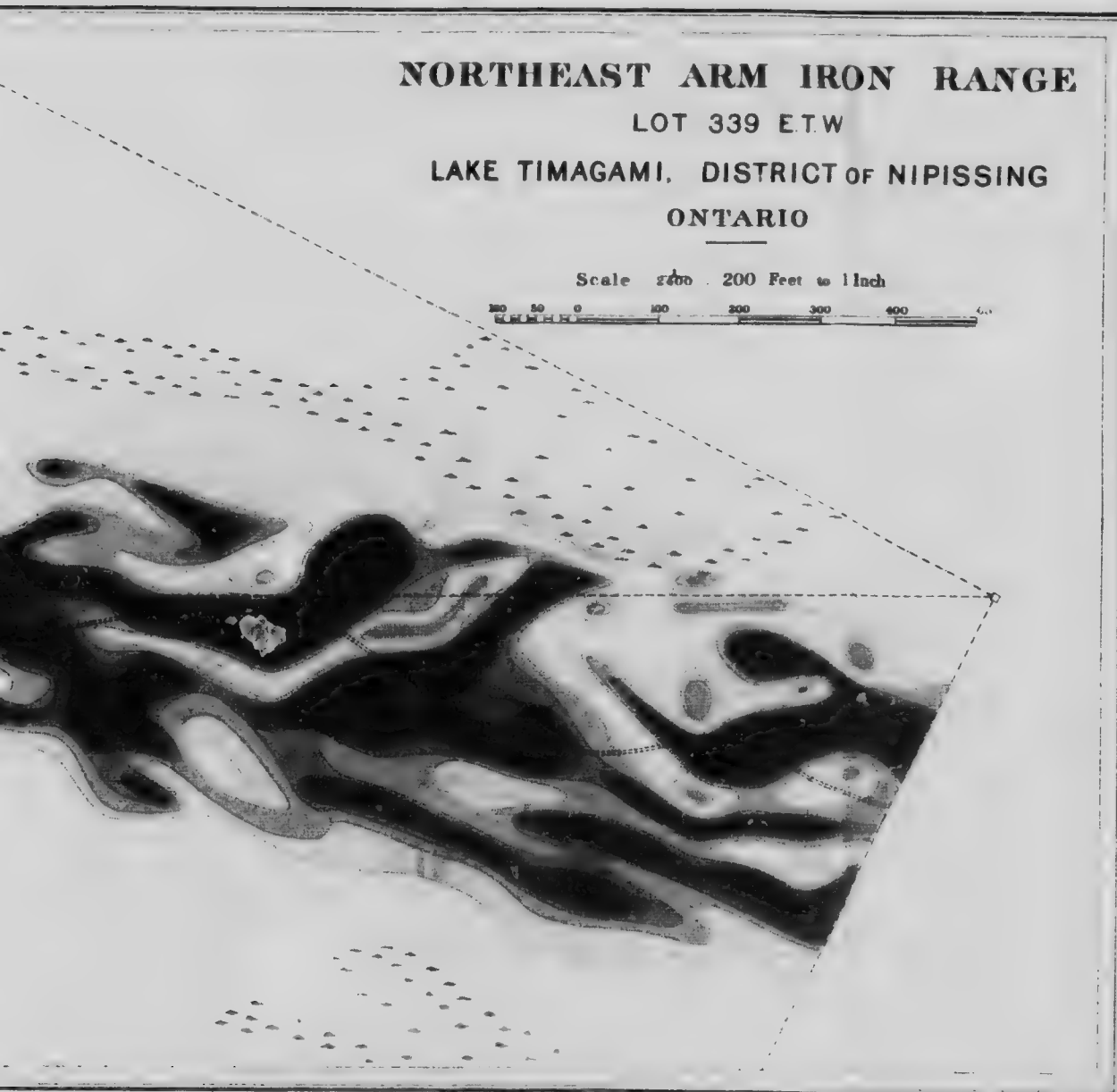
*Trail*



*Corner posts and Lot lines*



*Swamp*



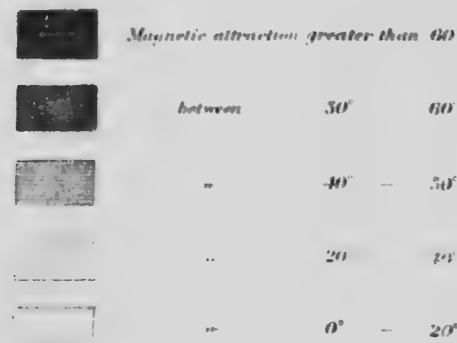
Surveyed by  
E. Nyström 1903

No. 261

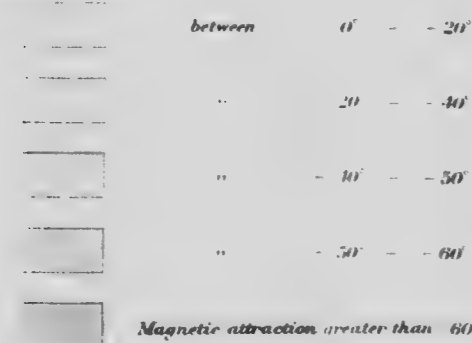
# LEGEND

Isodynamic lines of the vertical magnetic intensity

## Positive Intensity



## Negative Intensity



Constant of Instruments 1 OH

Magnetic declination about 11° West



H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman

**BLUFF POINT IRON MINE**  
LOT 16, CONS. I AND XI  
BAGOT TOWNSHIP  
RENFREW COUNTY  
ONTARIO

Scale 400 - 500 to 1 inch

Surveyed by  
E. Lindeman 1911  
Assisted by N. D.



LEGEND

- Road and buildings
- Reference posts
- Railways
- Elevated tramway
- Bridge
- Open cuts
- Stripping
- Pits filled with water
- Swamps
- Contours, interval 10 feet  
Elevations above sea-level
- Mine dumps

**BLUFF POINT IRON MINE**  
 LOT 16, CONS. X AND XI  
 BAGOT TOWNSHIP  
 RENFREW COUNTY  
 ONTARIO  
 Scale 1 inch = 100 feet

Surveyed by  
 E. Lindeman 1911  
 Assisted by N. D. Bothwell

No. 281

**Canada**  
**DEPARTMENT OF MINES**  
 Hon. Louis Coderre, MINISTER, R.W. Brock, DEPUTY MINISTER.  
**MINES BRANCH**  
 Eugene Haarel, Ph.D. DIRECTOR

MAGNETOMETRIC MAP

**TABLE**

Isodynamic lines of the vertical magnetic intensity

**Positive Intensity**

■ Magnetic attraction greater than  $40^\circ$

■ between  $20^\circ - 40^\circ$

■ "  $0^\circ - 20^\circ$

**Negative Intensity**

■ between  $0^\circ - -20^\circ$

Constant of Instrument = 1.2 H

Magnetic declination about  $24^\circ$  6' west



**LEGEND**

— Roads

◇ Reference points

● Diamond drill-hole

⌘ Test pits

■ Shafts

○ Open-cuts and Trenches

⋯ Swamp

— Contours, interval 10 feet

— Elevation above sea-level

— Mine dumps

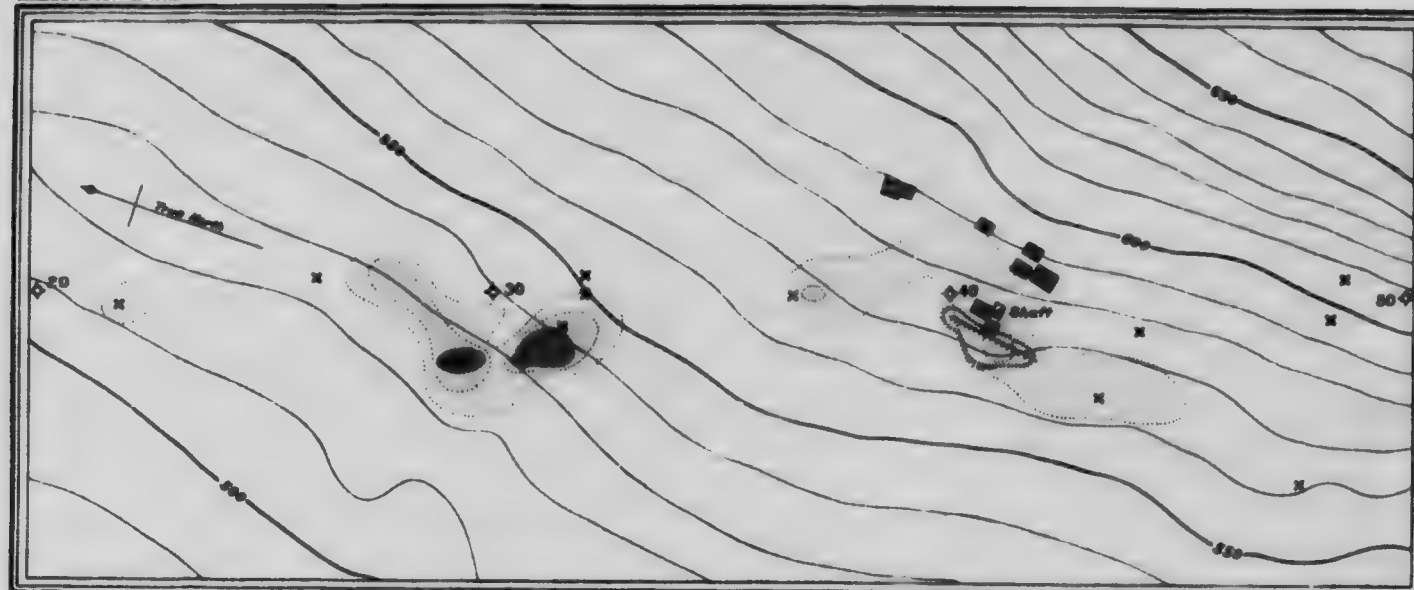
McPherson Mine, Barachois, Cape Breton county, Nova Scotia

Scale, 200 feet to 1 inch

Surveyed by  
 A. H. A. Robinson, 1913

**Canada**  
**DEPARTMENT OF MINES**  
 Hon. LOUIS CLOUTIER, MINISTER, R. W. BROCK, DEPUTY MINISTER.  
**MINES BRANCH**  
 EUGENE HAASEL, Ph.D., DIRECTOR

MAGNETOMETRIC MAP



LEGEND

- Isodynamic lines of the vertical magnetic intensity
- Positive Intensity
- Magnetic attraction between  $20^{\circ}$ — $40^{\circ}$
  - "  $10^{\circ}$ — $20^{\circ}$
  - "  $0^{\circ}$ — $10^{\circ}$
- Negative Intensity
- Magnetic attraction between  $0^{\circ}$ — $5^{\circ}$
- Constant of Instrument = 1.2 H
- Magnetic declination about  $24^{\circ}$  30' west

*Iron Ore Deposits at Upper Glencoe, Inverness county, Nova Scotia*  
 Scale, 200 feet to 1 inch

Surveyed by E. Lindeman, 1913

LEGEND

- Buildings
- + Reference posts
- X Test pits
- Contours, interval 10 feet elevations above sea-level (approx.)
- +— Mine tramway and dump

312

MAGNETOMETRIC MAP



Iron Ore Deposit at Grand Mire, Cape Breton county, N.S.  
Scale, 200 feet to 1 inch

# MINES

DEPUTY MINIST.  
CH  
18700



## LEGEND

Isodynamic lines of the vertical magnetic intensity

### Positive Intensity

Magnetic attraction between  $30^{\circ}$  -  $35^{\circ}$

$10^{\circ}$  -  $20^{\circ}$

..  $0^{\circ}$  -  $10^{\circ}$

### Negative Intensity

between  $0^{\circ}$  -  $5^{\circ}$

Constant of Instrument = 1.2 H

Magnetic declination about  $24^{\circ}$   $30'$  west

## LEGEND

Buildings

Reference posts

Shafts

Open pits and Trenches

Contours, interval 10 feet  
Elevations above sea-level

Outcrop of Slate

on county, Nova Scotia

Surveyed by A. H. A. Robinson, 1913

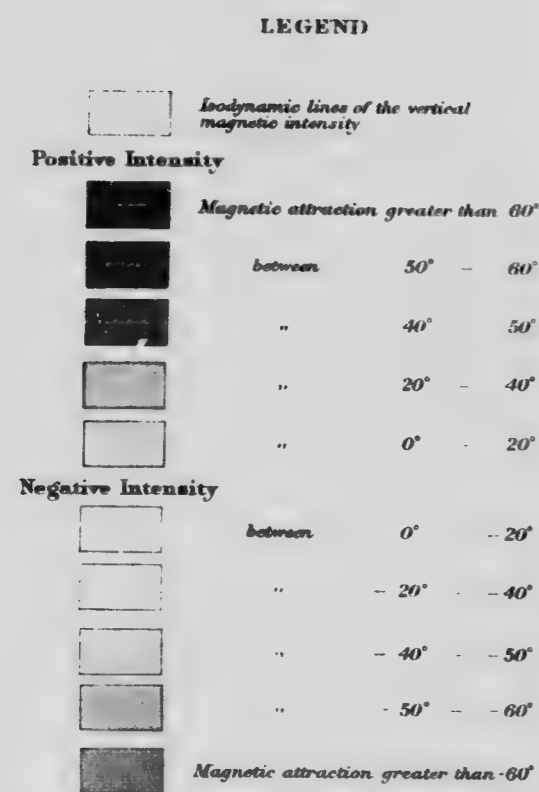
145 1915

CANADA  
DEPARTMENT OF  
MINES BRANCH

HON. L. CODERRE, MINISTER; R.G. MCCONNELL  
EUGENE HAANEL, PH.D.D.

1915

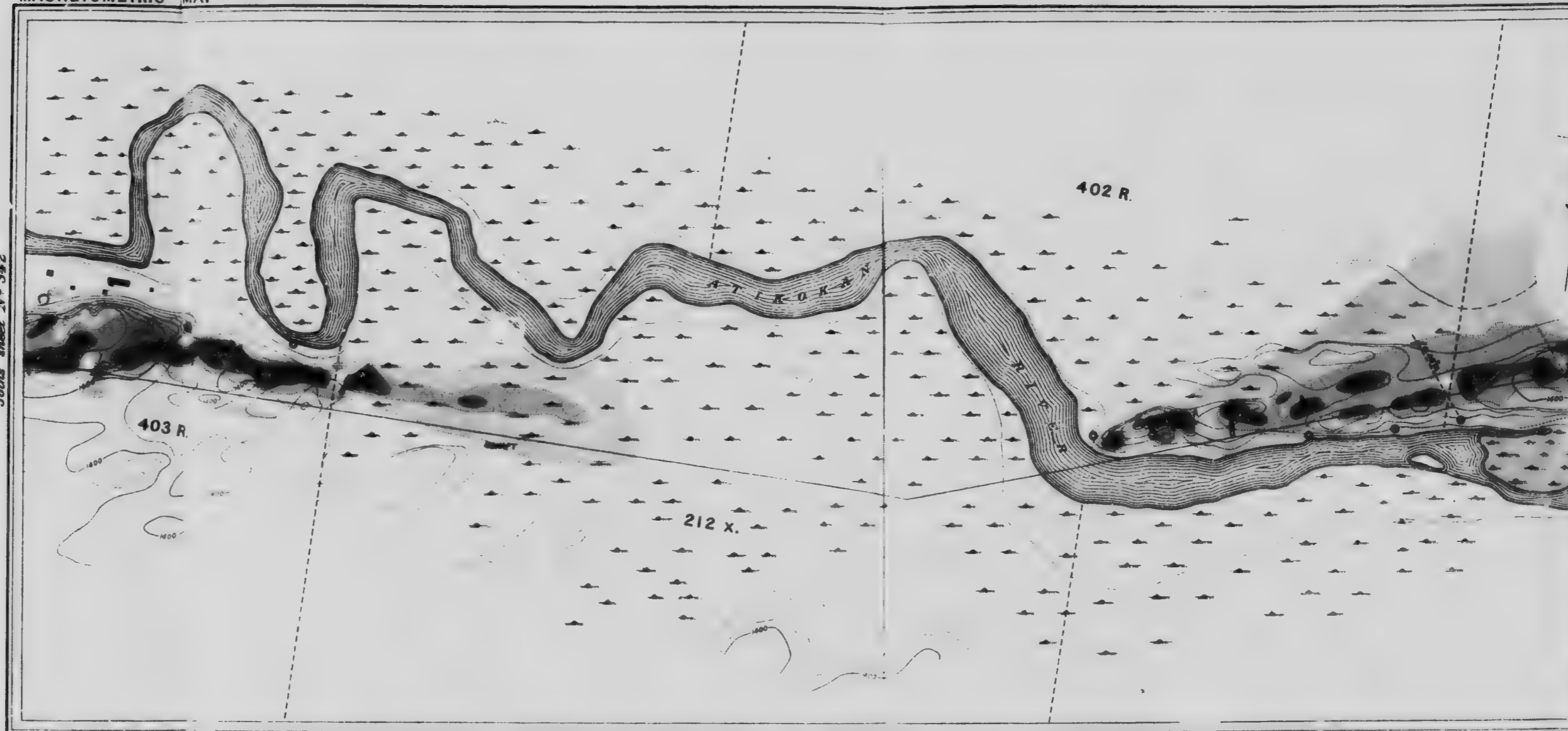
MAGNETOMETRIC MAP



Constant of Instrument = 1.0 H

Magnetic declination about 6° East

Jous sheet No 342



H.E. Baird, Chief Draughtsman  
L.H.S. Pereira, Draughtsman



**ATIKOKAN IRON-BEARING**  
CLAIMS 400 R., 401 R., 402 R.  
RAINY RIVER DISTRICT  
ONTARIO

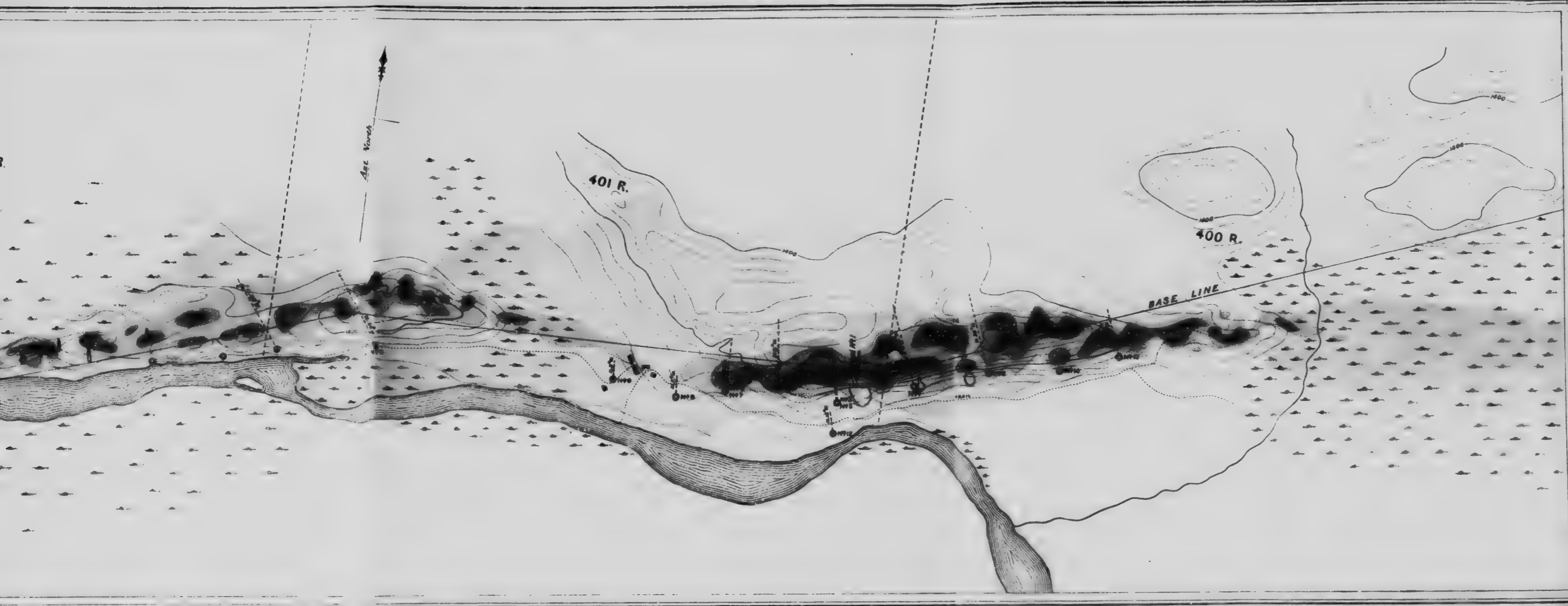
Scale 4000 : 400 F.

400 300 200 100 0 400

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. L. CODERRE, MINISTER. R. G. McLENNAN, DEPUTY MINISTER.  
EUGENE HAANEL, PH.D. DIRECTOR  
1915

SHEET 1



LEGEND

- Trails and buildings
- Corner posts and claim boundaries
- Claim boundaries, not well defined
- 400 R. Claim numbers
- Railways
- Bridges
- Diamond drill hole
- Shafts
- Tunnels
- Open cuts and trenches
- Streams
- Swamps
- Contours, interval 10 feet  
Elevation above sea-level
- Mine dumps

Contours showing heights above sea level  
based on elevation taken from C.N.R.

ATIKOKAN IRON-BEARING DISTRICT  
CLAIMS 400 R., 401 R., 402 R., 212 X AND 403 R.  
RAINY RIVER DISTRICT  
ONTARIO

Scale 4000 100 Feet to 1 inch  
400 300 200 100 0 400 800 1200

Surveyed by  
E. Lindeman 1914.  
Assisted by M. Meikle  
H. Kennedy






1175m

CANADA  
DEPARTMENT OF  
MINES BRANCH

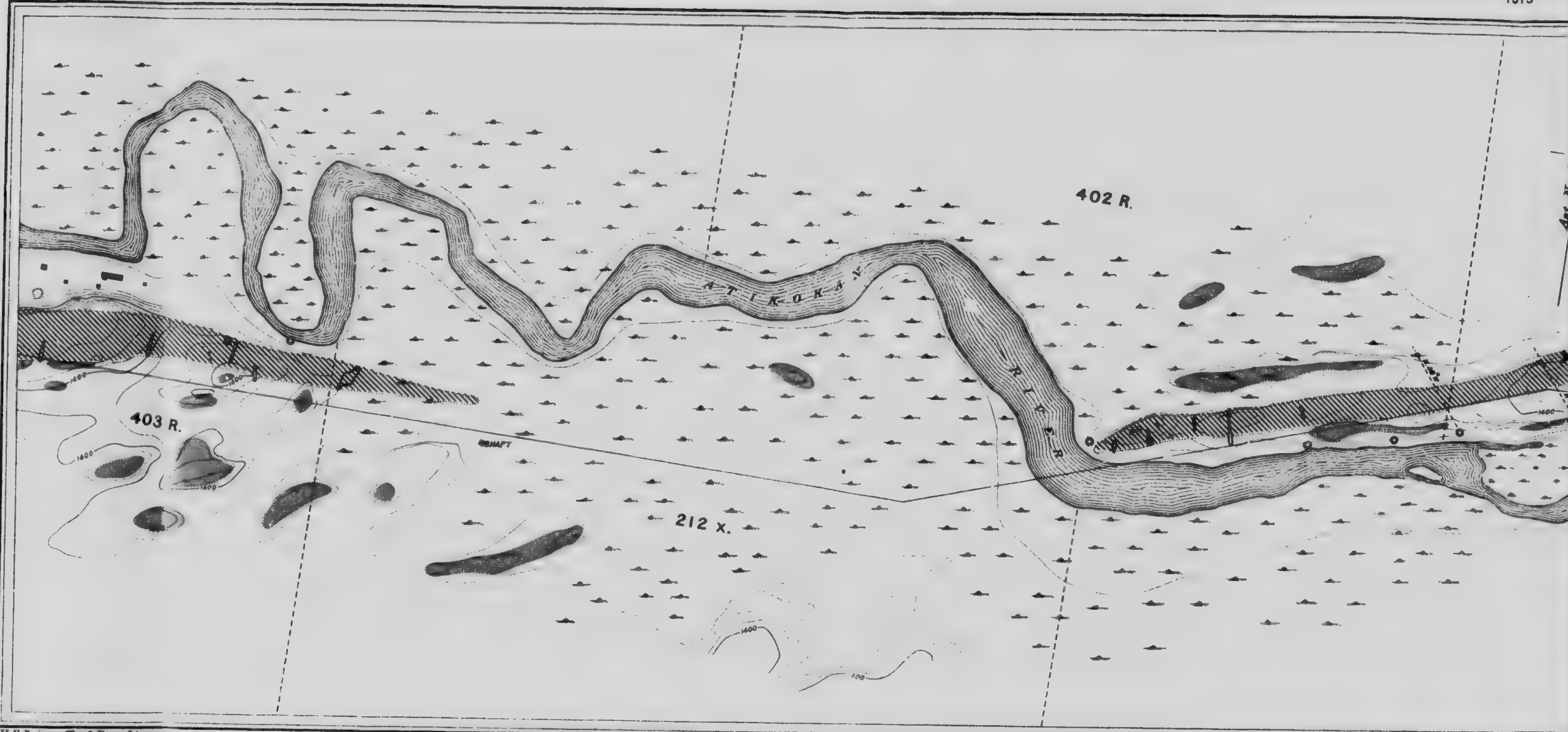
HON L. CODERRE, MINISTER, R.G.M. CONNOR  
EUGENE HAANEL PH.D.D.  
1915

GEOLOGICAL MAP

LEGEND

-  Drift
-  Green schists, diorite, porphyrite etc.
-  Area within which magnetite and pyrrhotite are likely to occur, indicated by magnetometric survey

Jones sheet No 3424



H. F. Baine, Chief Draughtsman  
L. H. Pereira, Draughtsman



ATIKOKAN IRON-BEAM

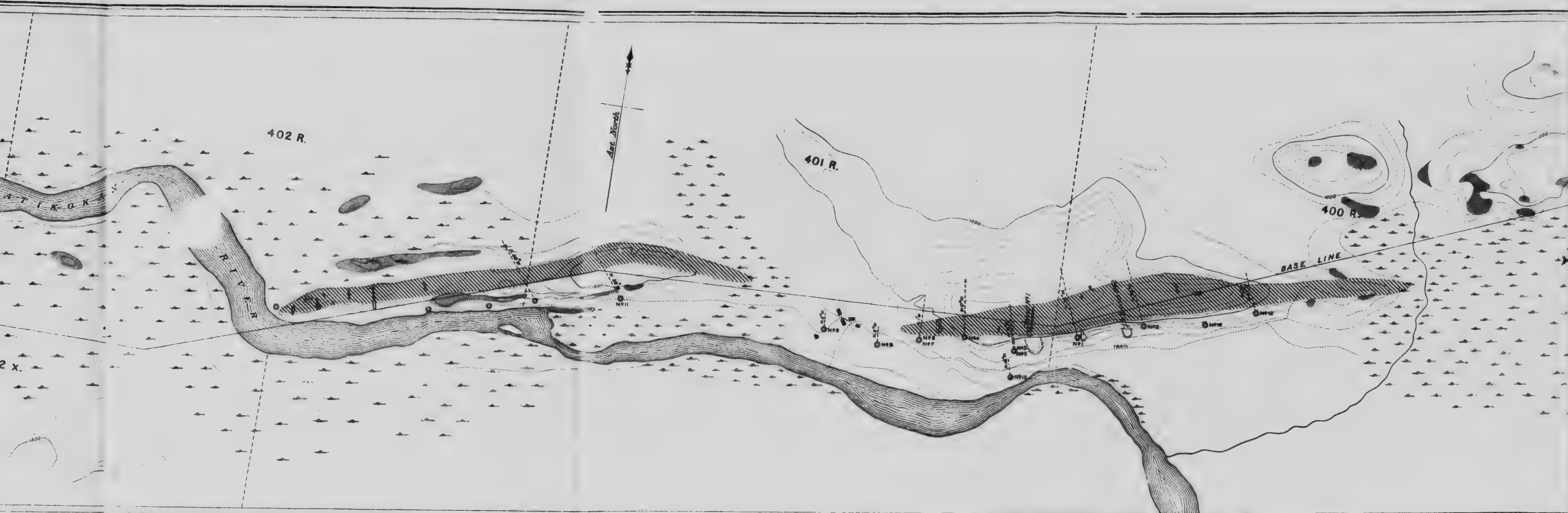
CLAIMS 400 R., 401 R., 402 R.,  
RAINY RIVER DISTRICT  
ONTARIO

Scale 1 : 400 Feet



CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. L. CODERRE, MINISTER; R. G. V. CONNELL, DEPUTY MINISTER.  
EUGENE HAANEL, PH. D., DIRECTOR  
1915



ATIKOKAN IRON-BEARING DISTRICT

CLAIMS 400 R., 401 R., 402 R., 212 X AND 403 R.

RAINY RIVER DISTRICT  
ONTARIO

Scale 4800 : 400 Feet to 1 inch

400 300 200 100 0 400 800 1200

E. Lindeman 1914.

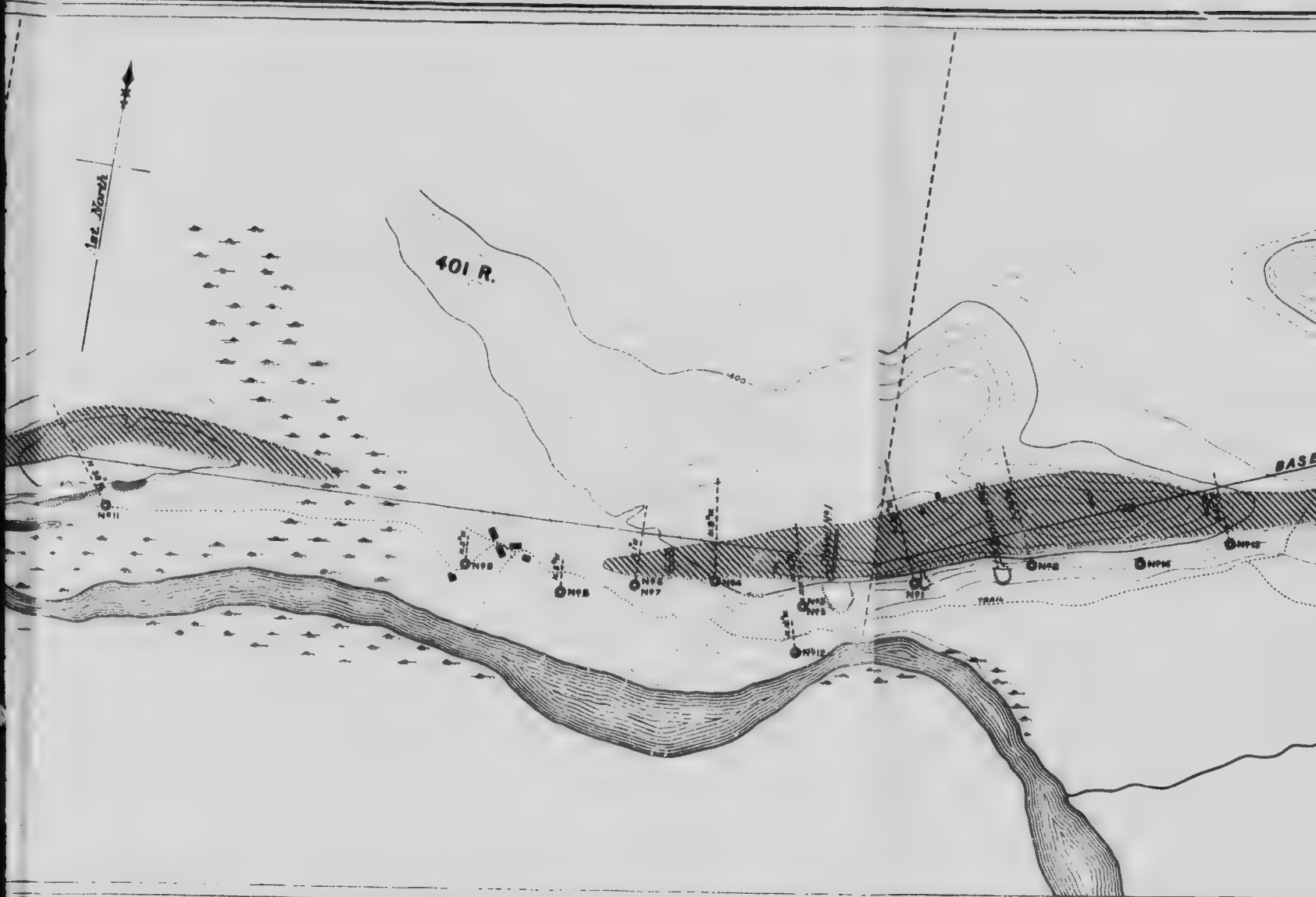


## ES BRANCH

; R.G. V<sup>o</sup> CONNELL, DEPUTY MINISTER.

ANAL PH D DIRECTOR

1915



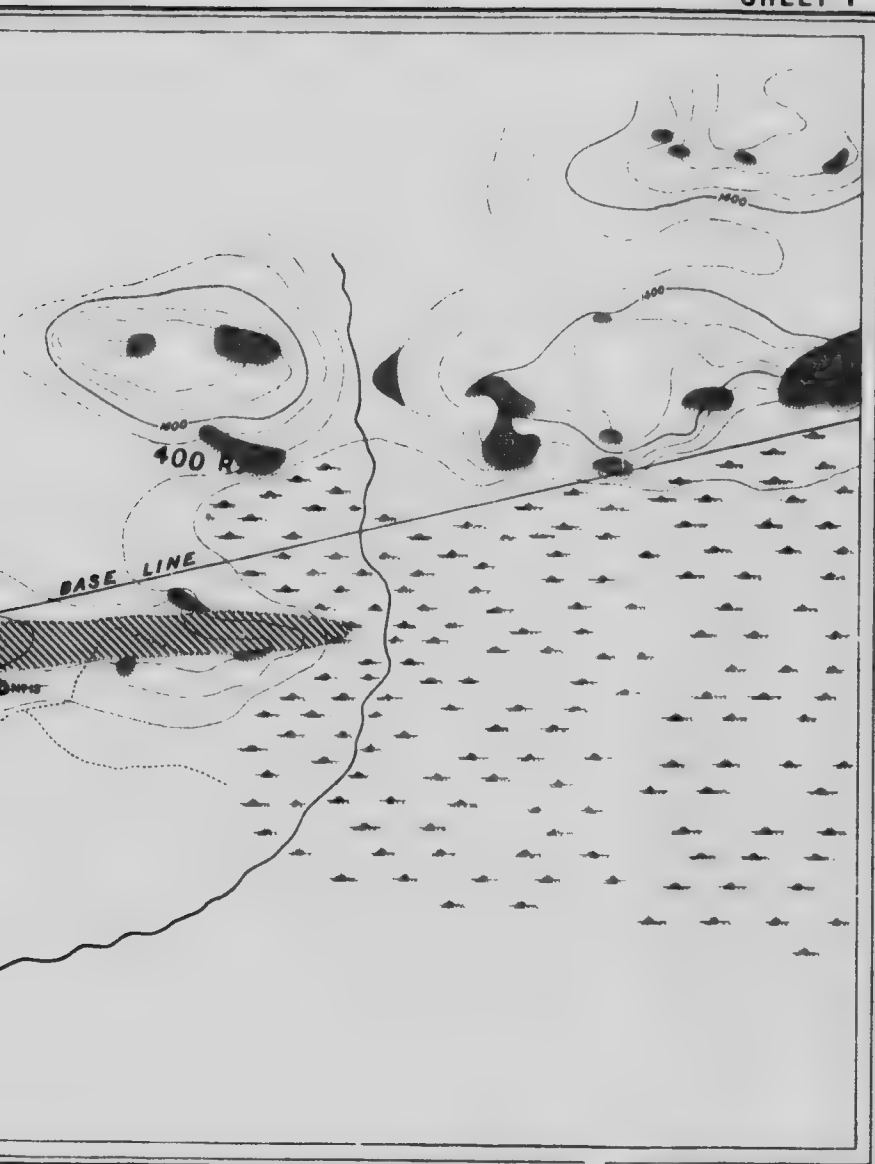
.. 402 R.. 212 X AND 403 R.

# R DISTRICT TARIO















400 Feet to 1 inch



SHEET 1



LEGEND

-  Trails and buildings
-  Corner posts and claim boundaries
-  Claim boundaries, not well defined
-  400 R Claim numbers
-  Railways
-  Bridges
-  Diamond drill hole
-  Shafts
-  Tunnels
-  Open cuts and trenches
-  Streams
-  Swamps
-  Contours, interval 10 feet  
Elevation above sea-level
-  Mine dumps

Contours showing heights above sea-level  
based on elevation taken from C.N.R.

1512  
11528

# LEGEND



*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° - 60°*



*" 40° - 50°*



*" 20° - 40°*



*" 0° - 20°*

## Negative Intensity



*between 0° - -20°*



*" -20° - -40°*



*" -40° - -50°*



*" -50° - -60°*



*Magnetic attraction greater than -60°*

*Constant of Instrument = 1.0 H*

*Magnetic declination about 6° East*

## MAGNETOMETRIC MAP



*H.E. Baine, Chief Draughtsman.  
L.H.S. Pearce, Draughtsman.*

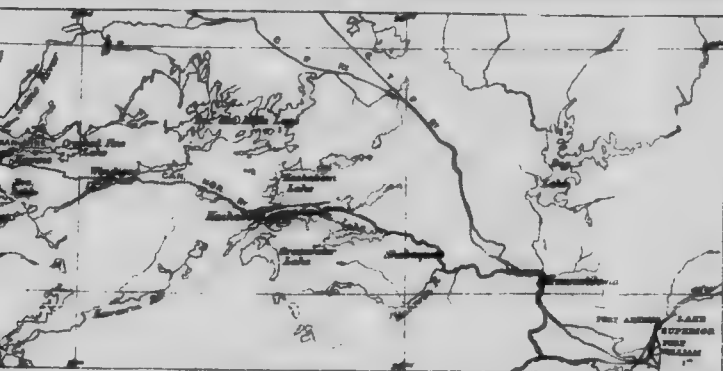


CANADA  
DEPARTMENT OF  
MINES BRANCH

HON. L. CODERRE, MINISTER: R. G. McCONNELL,

EUGENE HAANEL, PH. D. DIRECTOR

1915



**ATIKOKAN IRON BEAR**

CLAIMS 403 R., 404 R., 139X., 138

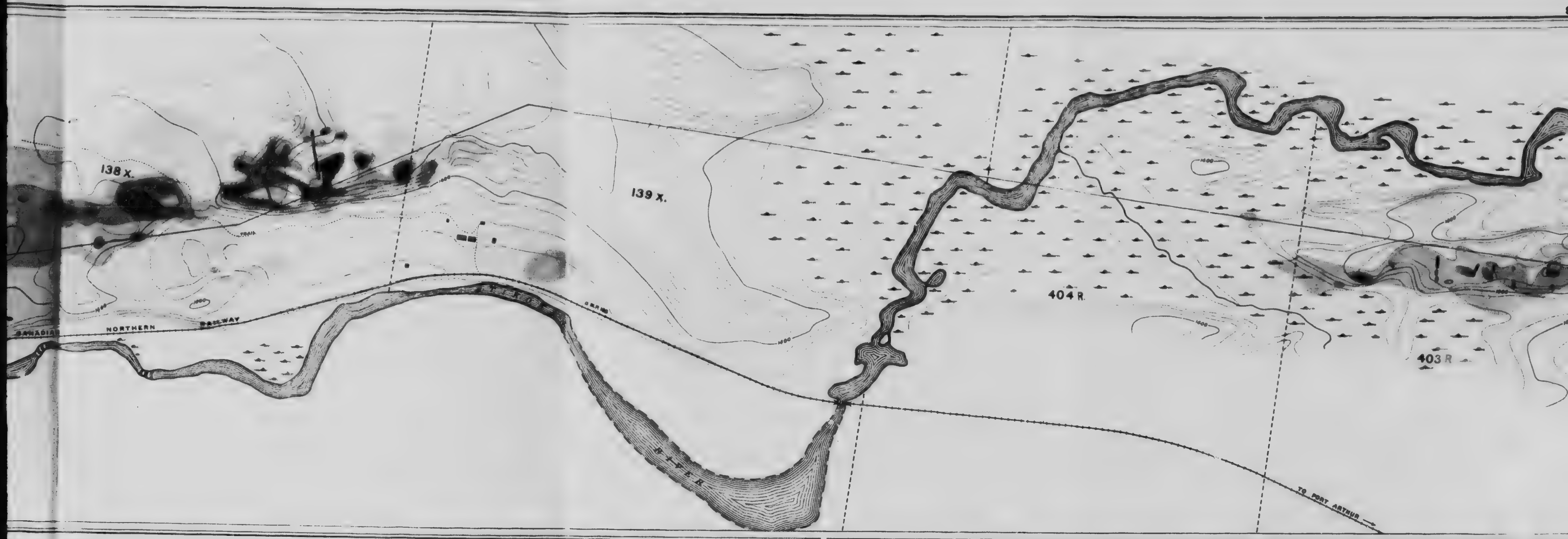
**RAINY RIVER DIST  
ONTARIO**

Scale  $\frac{1}{4800}$  : 400 Feet

400 300 200 100 0 400

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON L. CODERRE, MINISTER; R.G. McCONNELL, DEPUTY MINISTER.  
EUGENE HAANEL, PH.D., DIRECTOR  
1915



**ATIKOKAN IRON BEARING DISTRICT**

CLAIMS 403 R., 404 R., 139X., 138X AND 140X.

**RAINY RIVER DISTRICT  
ONTARIO**

Scale  $\frac{1}{4800}$  : 400 Feet to inch



Surveyed by  
H. Lindeman 1914.  
Assisted by M. Meikle  
H. Kennedy





LEGEND

- Trails and buildings
- Corner posts and claim boundaries
- Claim boundaries, not worked
- Claim numbers
- Railways
- Bridges
- Diamond drill hole
- Shafts
- Tunnels
- Open cuts and trenches
- Swamps
- Contours, interval 10 feet  
Elevation above sea level
- Mine dumps

Contours showing heights above sea level  
based on elevation taken from C.N.R.

**BEARING DISTRICT**

R., 139X., 138X. AND 140X.

ER DISTRICT

CARIO

400 Feet to 1 inch



Surveyed by  
E. Lindeman 1914.  
Assisted by M. Maible  
H. Kennedy

# GEOLOGICAL MAP

## LEGEND

Drift



Green schists, diorite, porphyrite etc.



Area within which magnetite and pyrrhotite are likely to occur, indicated by magnetometric survey



H.E. Baine, Chief Draughtsman.  
L.H.S. Pereira, Draughtsman.

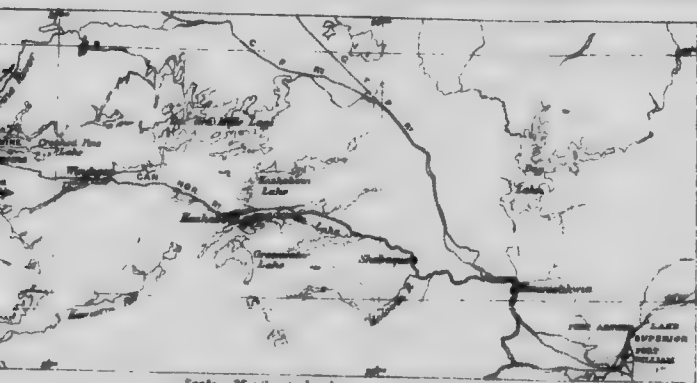
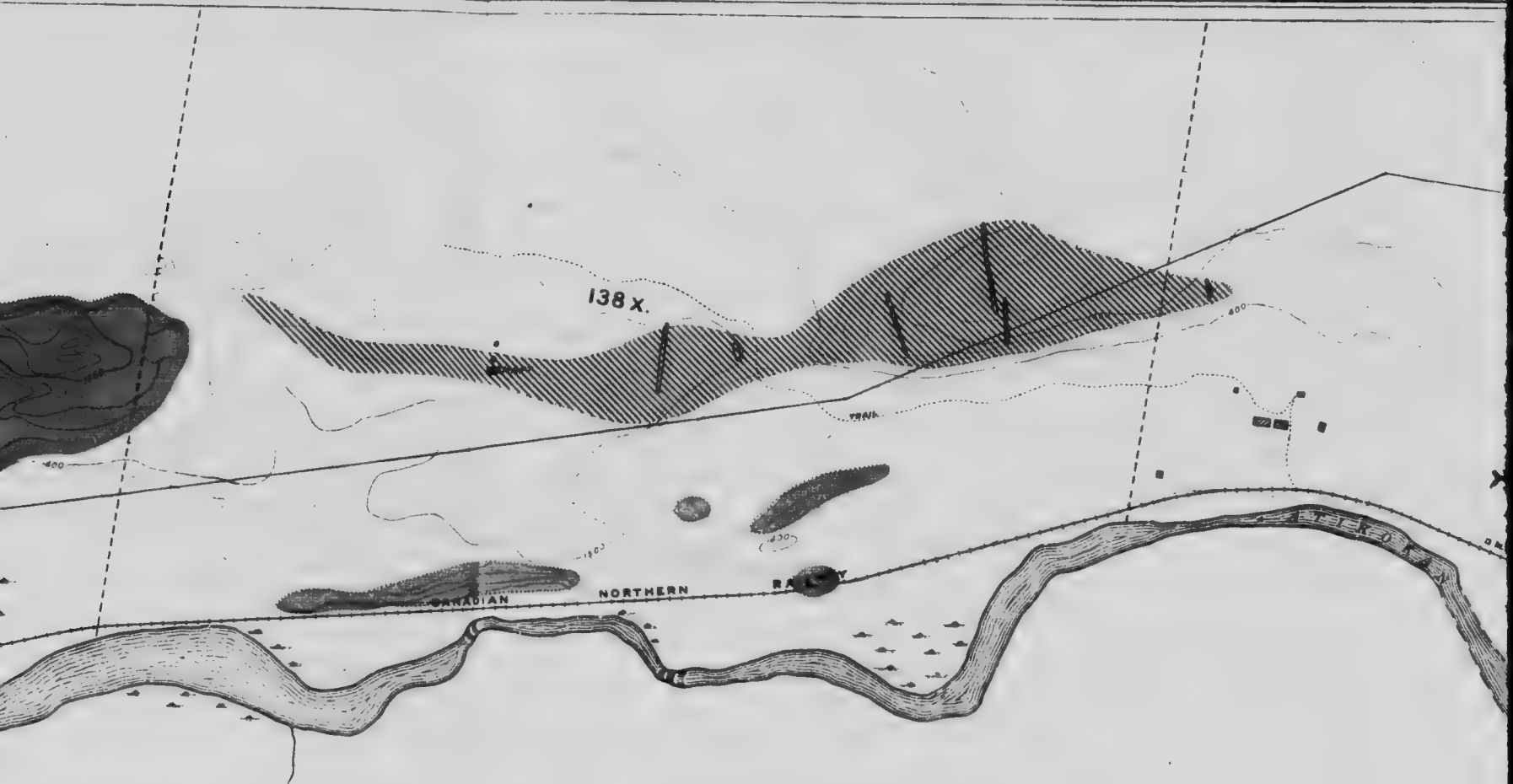


CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. L. CODERRE, MINISTER, R.G. McCONNELL, D.

EUGENE HAANEL, PH.D. DIRECTOR

1915



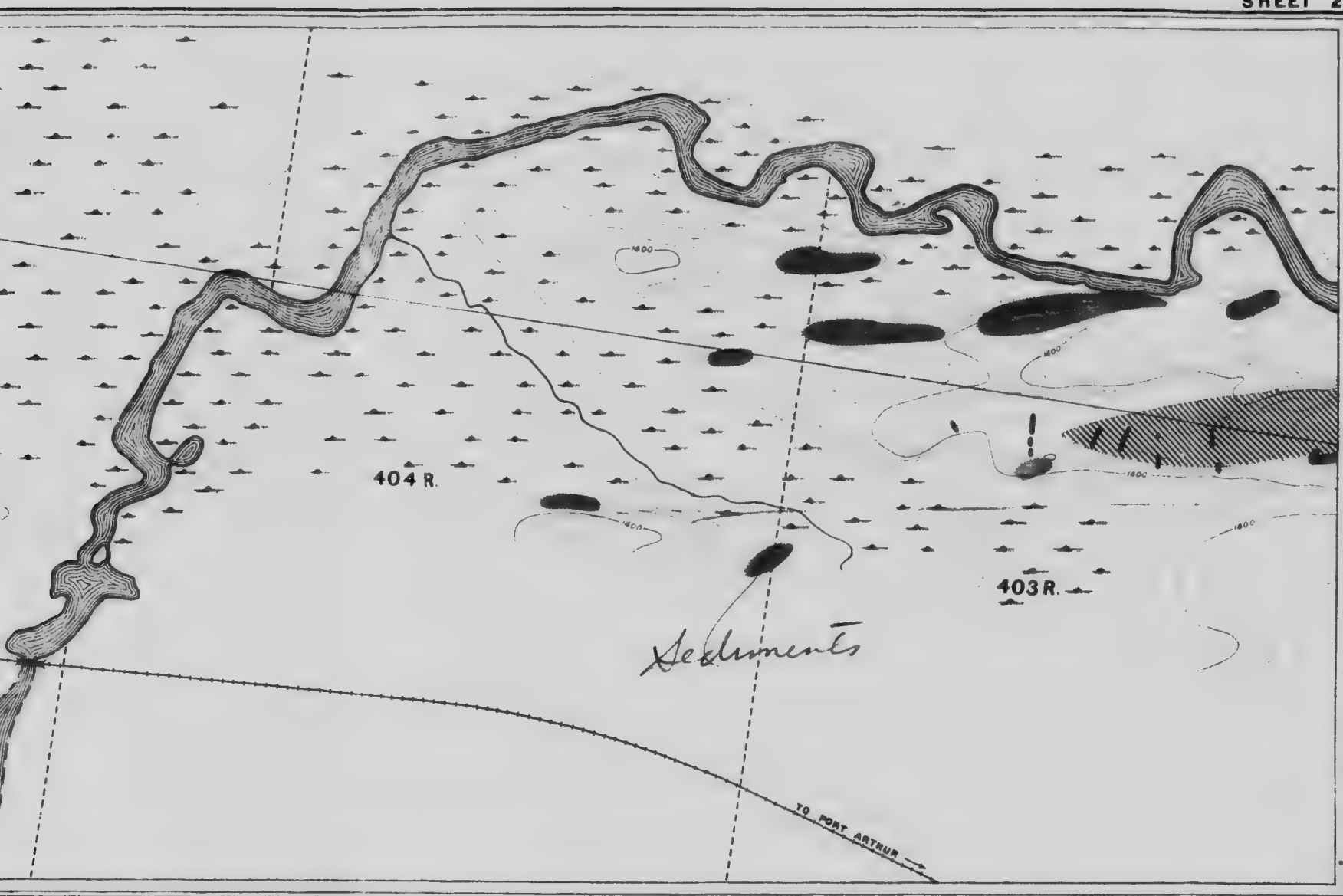
**ATIKOKAN IRON BEARING**  
CLAIMS 403 R., 404 R., 139 X., 138 X.  
**RAINY RIVER DISTRICT**  
**ONTARIO**

Scale  $\frac{1}{4800}$  : 400 Feet to

400 300 200 100 0 400

HON. L. CODERRE, MINISTER, R. G. McCONNELL, DEPUTY MINISTER.  
EUGENE HAANEL PH.D. DIRECTOR  
1915



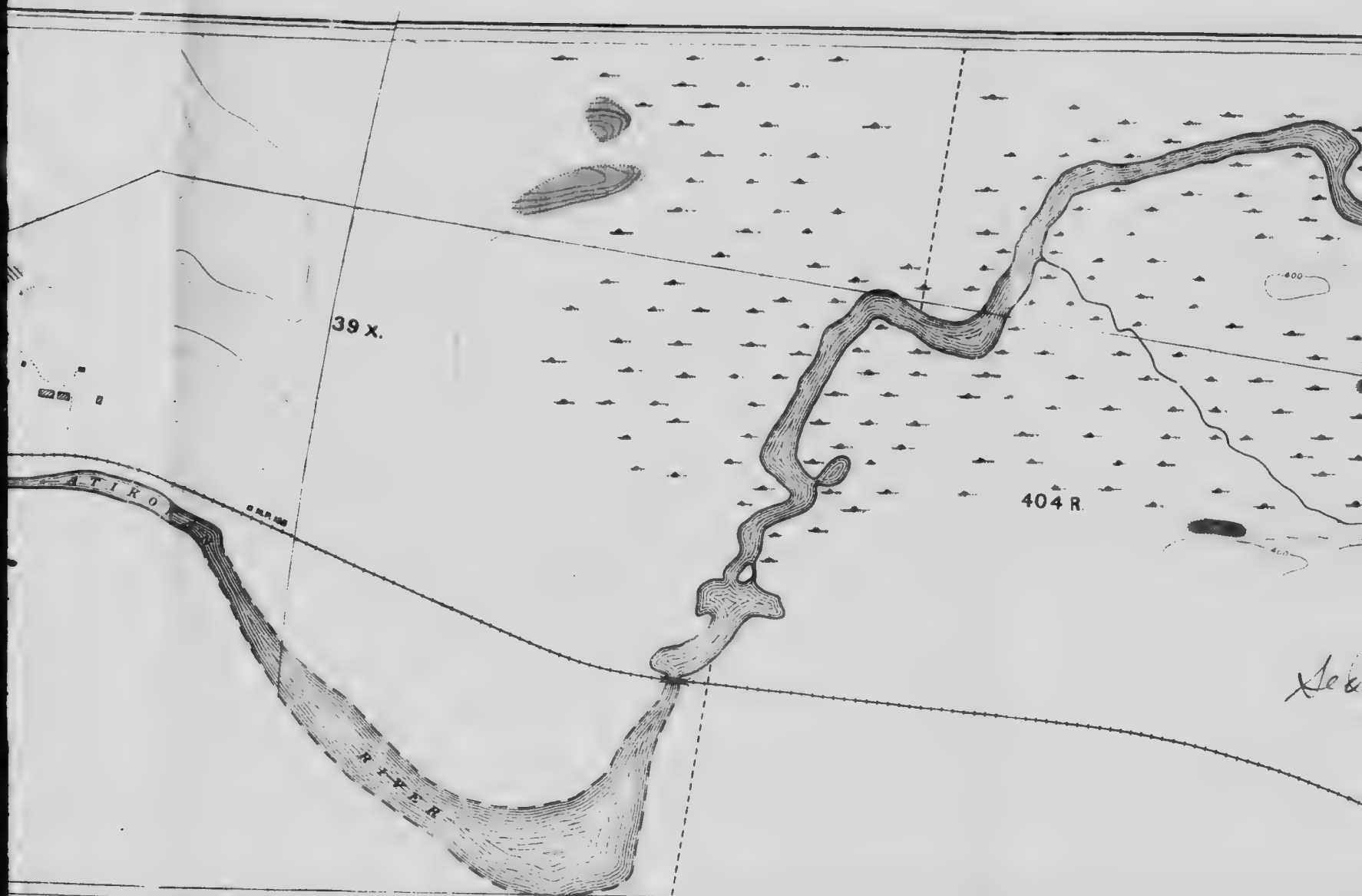


Joins Sheet No 3414



Contours  
based on

CANADA  
 DEPARTMENT OF MINES  
 MINES BRANCH  
 MINISTER - J. McCONNELL, DEPUTY MINISTER.  
 EUGENE HAANEL, P. D. DIRECTOR  
 1915



IRON BEARING DISTRICT  
 403 R., 404 R., 139 X., 138 X. AND 140 X.  
 ATIKAMEG RIVER DISTRICT  
 ONTARIO

1/4800 : 400 Feet to inch

400 800 1200

SHEET 2



LEGEND

- Trails and buildings
- Corner lots and claim boundaries
- Claim boundaries, not well defined
- 404R
- Railways
- Bridges
- Dian and drill-hole
- Shafts
- Tunnels
- Open cuts and trenches
- Streams
- Swamps
- Contours, interval 10 feet  
Elevation above sea level
- Mine dumps

Contours showing heights at sea-level  
based on elevation taken from N.R.

E. Lindeman 1914

342

*Return to  
J. P. Hartman*

## MAGNETOMETRIC MAP

## LEGEND



*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° - 60°*



*" 40° - 50°*



*" 20° - 40°*



*" 0° - 20°*

## Negative Intensity



*between 0° - -20°*



*" -20° - -40°*



*" -40° - -50°*



*" -50° - -60°*



*Magnetic attraction greater than -60°*

*Constant of Instrument - 1.0 H*

*Magnetic declination about 6° East*



*H. E. Bane, Chief Draughtsman  
D. Westwood, Draughtsman*

**ATIKOKAN IR**  
MILE POST 140.  
RAINY









Scale  
0 100 200 300 400

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON L. CODERRE, MINISTER, R.G.M. CONNELL, DEPUTY MINISTER,  
EUGENE HAASEL, PH.D. DIRECTOR  
1913



LEGEND

-  Road and Trail
-  Railways
-  Bridges
-  Trenches and Strippings
-  Streams
-  Swamps
-  Contours, interval 10 feet  
Elevation above sea-level
-  Mine dumps

Contours showing heights above sea-level  
based on elevation taken from C.N.R.

AN IRON-BEARING DISTRICT  
POST 140, CANADIAN NORTHERN RAILWAY  
RAINY RIVER DISTRICT  
ONTARIO

Surveyed by E. Lindeman, 1914  
Assisted by M. Mahtla

343

Scale : 400 Feet to inch



GEOLOGICAL MAP

LEGEND

*Drift*



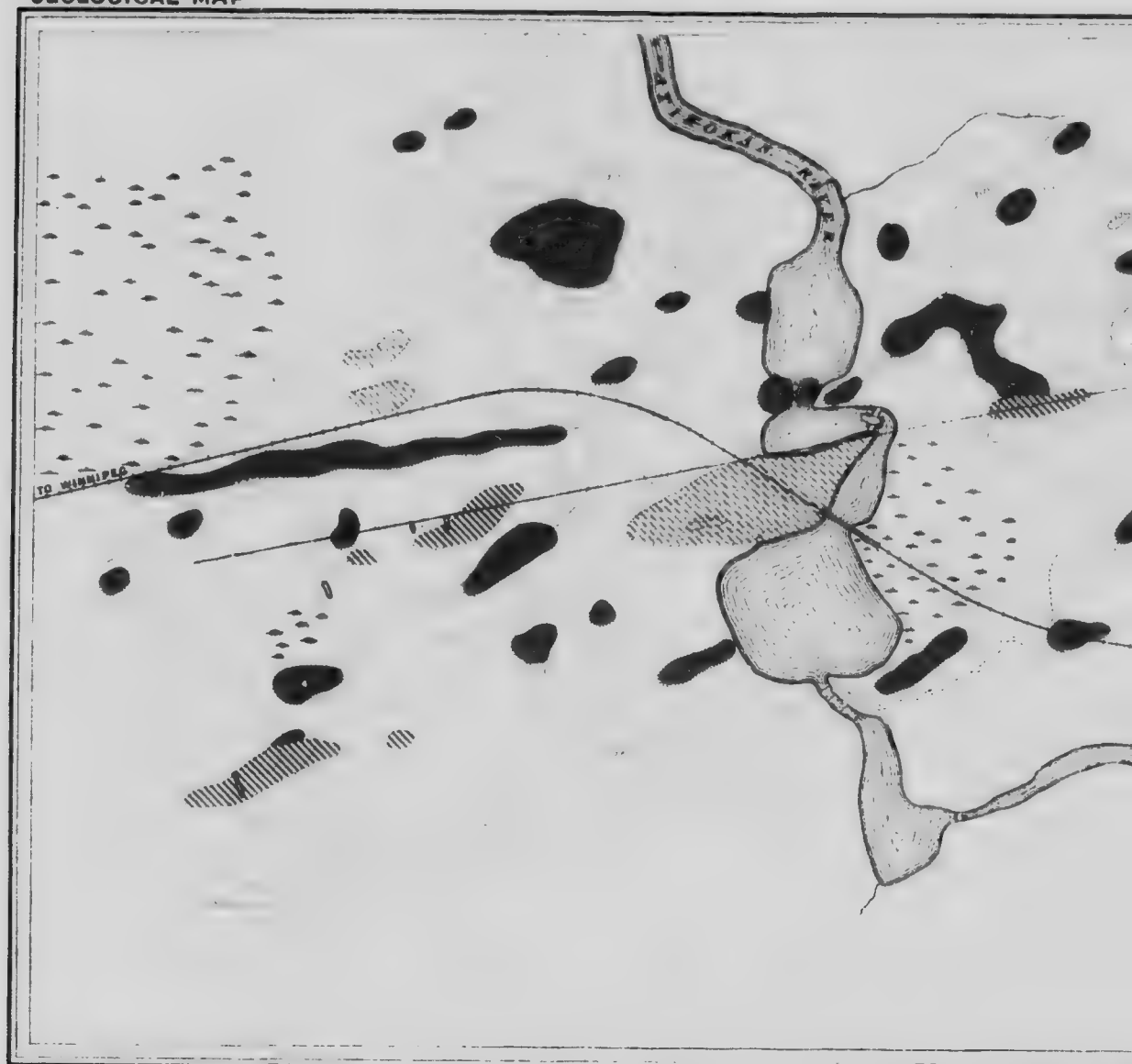
*Diorite, porphyrite etc.*



*Chlorite and sericitic schists*



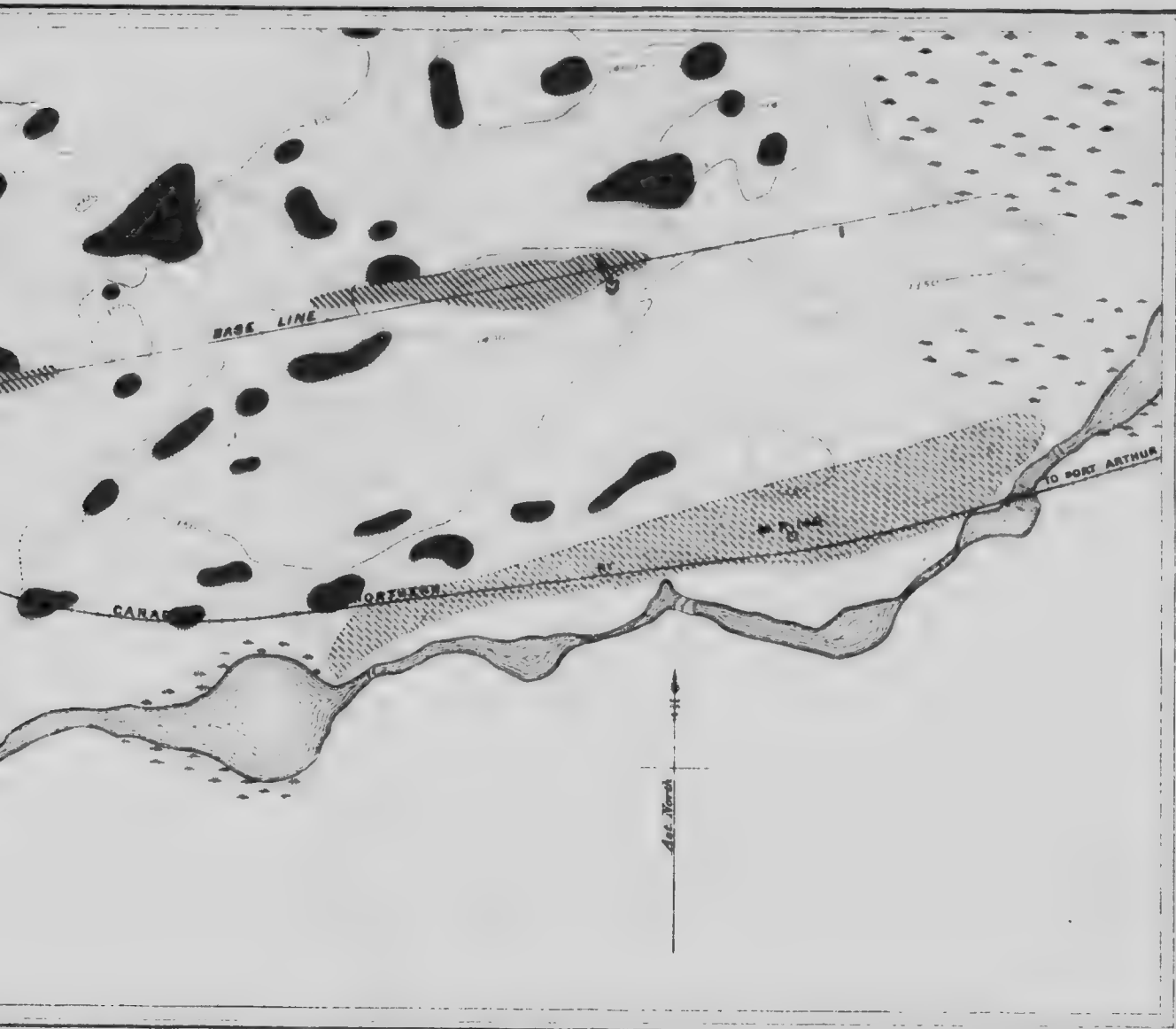
*Area within which magnetite  
and pyrrhotite are likely to occur,  
indicated by magnetometric survey*











H.E. Baue, Chief Draughtsman  
D. Westwood, Draughtsman

ATIKOKAN IRON-BEARING  
MILE POST 140, CANADIAN  
RAINY RIVER  
ONTARIO

Scale 1:40,000  
400 300 200 100 0  
Feet Miles



# LEGEND

-  Road and Trail
-  Railway
-  Bridges
-  Trenches and Strippings
-  Streams
-  Swamps
-  Contours, interval 10 feet  
Elevation above sea level
-  Mine dumps

Contours showing heights above sea level  
 based on elevation taken from U.S. R.

ON-BEARING DISTRICT  
 CANADIAN NORTHERN RAILWAY  
 Y RIVER DISTRICT  
 ONTARIO

F. Landeman, 1914

343A

Scale 1 inch = 400 Feet  
 0 400 800

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. P. E. BLONDIN, MINISTER; R. G. McCONNELL, DEPUTY MINISTER  
EUGENE HAANEL, PH. D., DIRECTOR

1816

MAGNETOMETRIC MAP

LEGEND

Isodynamic lines of the vertical magnetic intensity

Positive Intensity

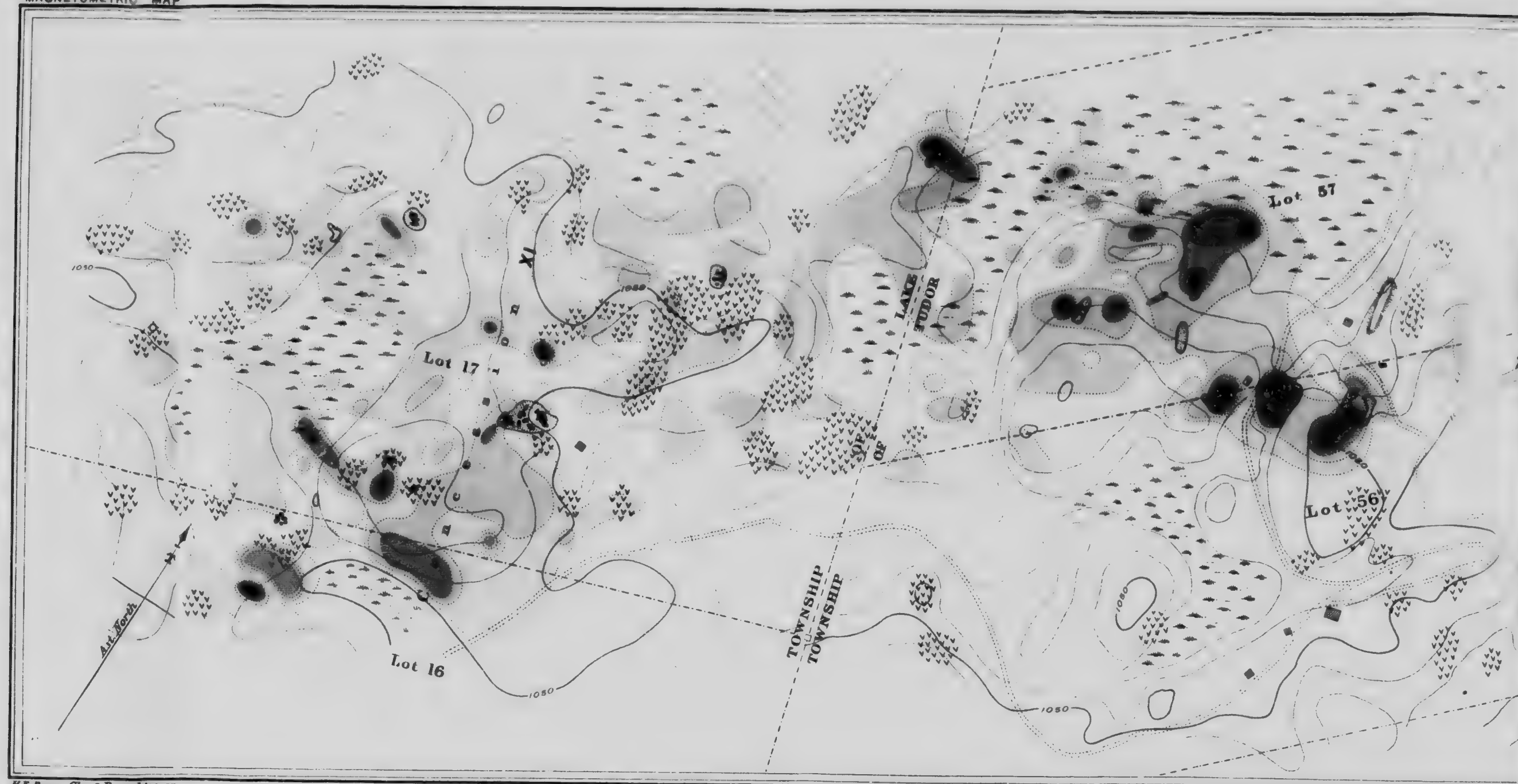
	Magnetic attraction greater than 60°
	between 50° - 60°
	" 40° - 50°
	" 20° - 40°
	" 0° - 20°

Negative Intensity

	between 0° - -20°
	" -20° - -40°
	" -40° - -50°
	" -50° - -60°
	Magnetic attraction greater than -60°

Constant of Instrument = . . . . .

Magnetic declination 8° 45' *pro*



H. E. Baine, Chief Draughtsman  
D. Westwood, Draughtsman

ORTON MINE AND VICINITY  
HASTINGS COUNTY  
ONTARIO

Surveyed by A. H. A. Robinson, 1915.

Scale: 1 inch = 200 Feet to 1 inch



CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. P. E. BLONDIN, MINISTER. R. G. MCCONNELL, DEPUTY MINISTER  
EUGENE HAANEL, PH. D. DIRECTOR  
1915

METRIC MAP



LEGEND

- Roads and buildings
- Corner posts and lot lines (not well defined)
- Reference
- Shafts
- Open cuts and trenches
- Strippings
- Swamps
- Contours, interval 10 feet  
Elevation above sea-level
- Mine dumps
- Outcrops showing  
Titaniferous magnetite
- Outcrops of gabbro-diorite

Contours showing heights above sea-level  
based on an elevation taken from C.N.R.

ORTON MINE AND VICINITY  
HASTINGS COUNTY  
ONTARIO

Surveyed by A. H. A. Robinson, 1915.

405

Scale: 1 inch = 200 Feet to 1 inch  
200 100 0 200 400

Draughtsman  
Sightman

on, 1915

DEPAR

HON P E BLONDIN M  
EUG

# MAGNETOMETRIC MAP

## LEGEND



*Isodynamic lines of the vertical magnetic intensity*

### Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° - 60°*



*" 40° - 50°*



*" 20° - 40°*



*" 0° - 20°*

### Negative Intensity



*between 0° - -20°*



*" -20° - -40*

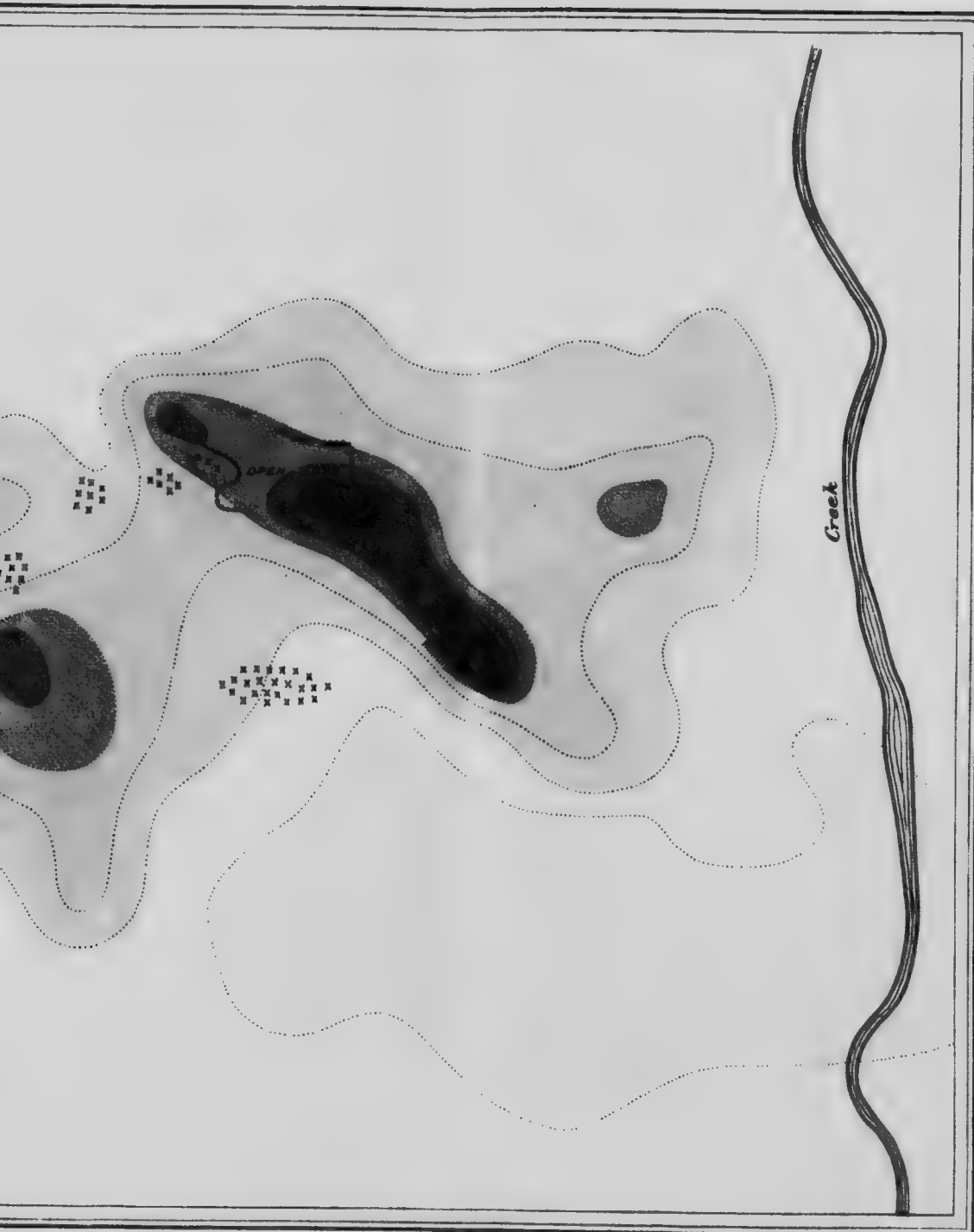
*Magnetic declination 25° East (approx)*







*H E Baine, Chief Draughtsman  
D Westbrook, Draughtsman*

**WESTERN**  
**SECHART, V**

8a



LEGEND

-  Shaft
-  Open cuts
-  Outcrop of magnetite
-  Outcrop of granite

TERN STEEL IRON CLAIM  
CHART, VANCOUVER ISLAND, B.C.

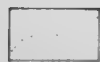
Scale - 60 Feet to 1 inch

Surveyed by  
E Lindman, 1908

438

# MAGNETOMETRIC MAP

## LEGEND



*Isodynamic lines of the vertical magnetic intensity*

### Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° — 60°*



*" 40° — 50°*



*" 20° — 40°*



*" 0° — 20°*

### Negative Intensity



*between 0° — -20°*

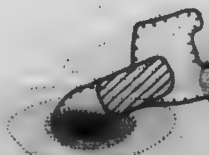
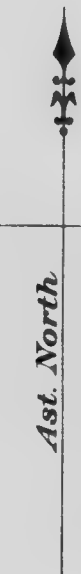


*" -20° — -40°*



*Magnetic attraction greater than -40°*

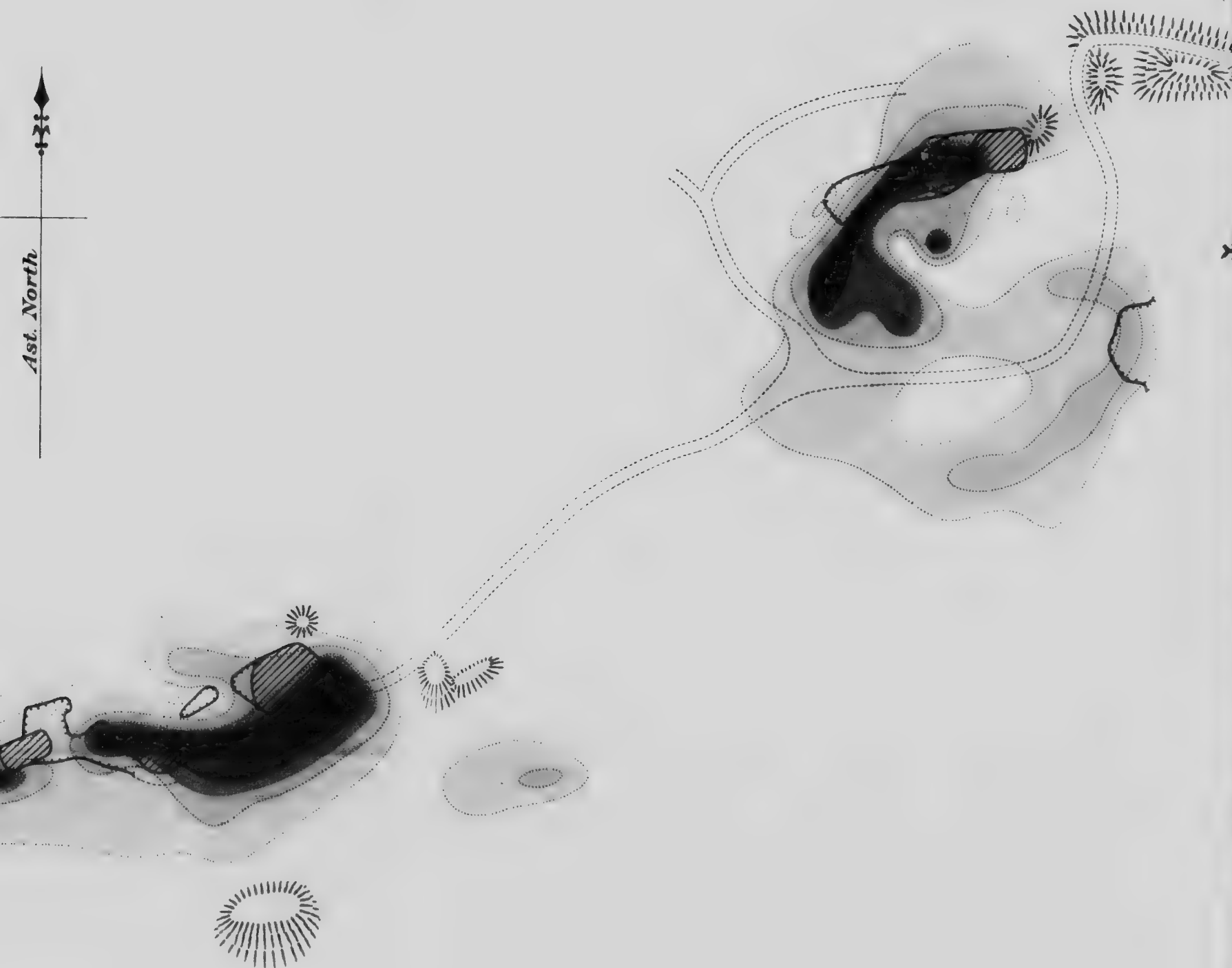
*Constant of Instrument = 0.85*



CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. P. E. BLONDIN, MINISTER; R. G. MCCONNELL, DEPUTY MINISTER  
EUGENE HAANEL, PH. D., DIRECTOR

1917



CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. P. E. BLONDIN, MINISTER. R. G. MCCONNELL, DEPUTY MINISTER.  
EUGENE HAANEL, PH. D., DIRECTOR

1917

MAGNETOMETRIC MAP



vertical

er than  $60^{\circ}$

—  $60^{\circ}$

—  $50^{\circ}$

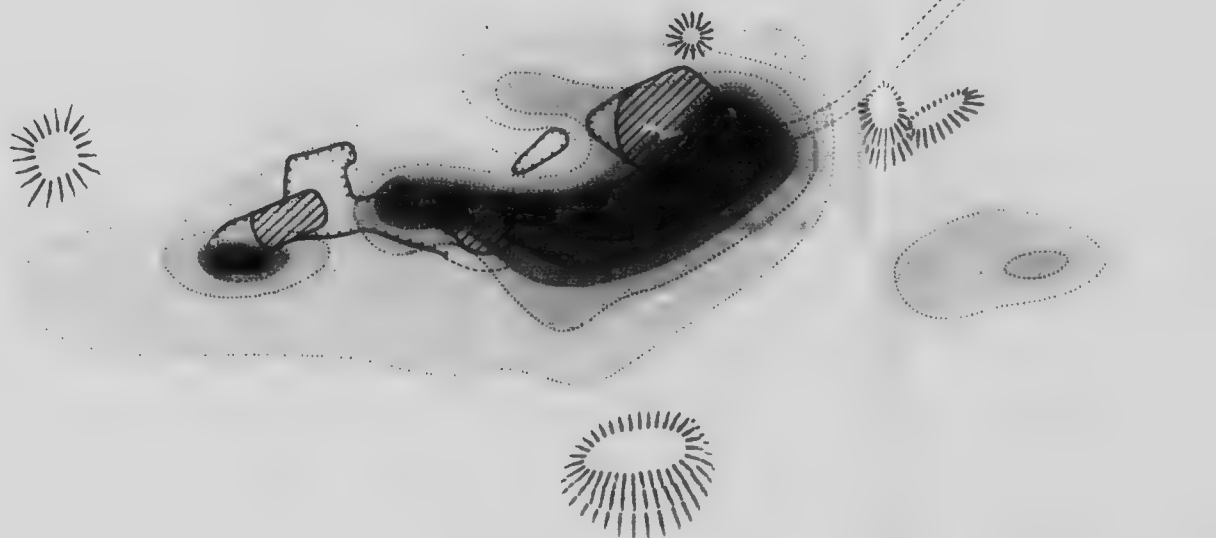
—  $40^{\circ}$

—  $20^{\circ}$

—  $20^{\circ}$

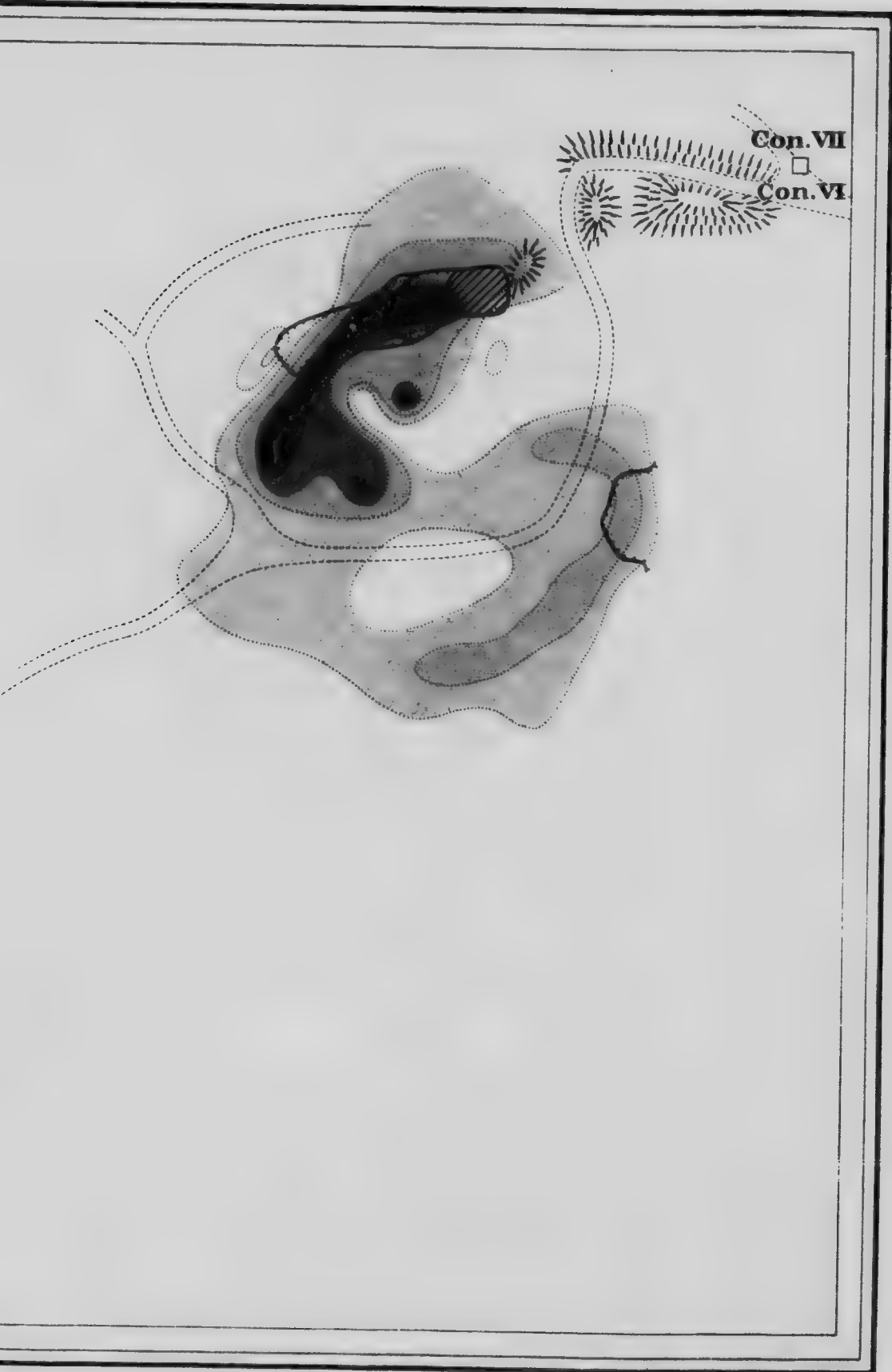
—  $40^{\circ}$

er than  $-40^{\circ}$



NES

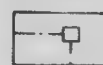
PUTY MINISTER.



### LEGEND



*Roads*



*Corner post*



*Open cuts*

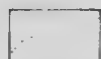


*Pits filled with water*



*Mine dumps*

# LEGEND



*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity



*Magnetic attraction greater than 60°*



*between 50° — 60°*



*" 40° — 50°*



*" 20° — 40°*



*" 0° — 20°*

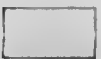
## Negative Intensity



*between 0° — — 20°*



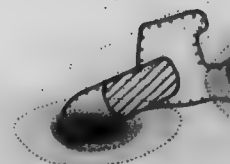
*" — 20° — — 40°*



*Magnetic attraction greater than -40°*

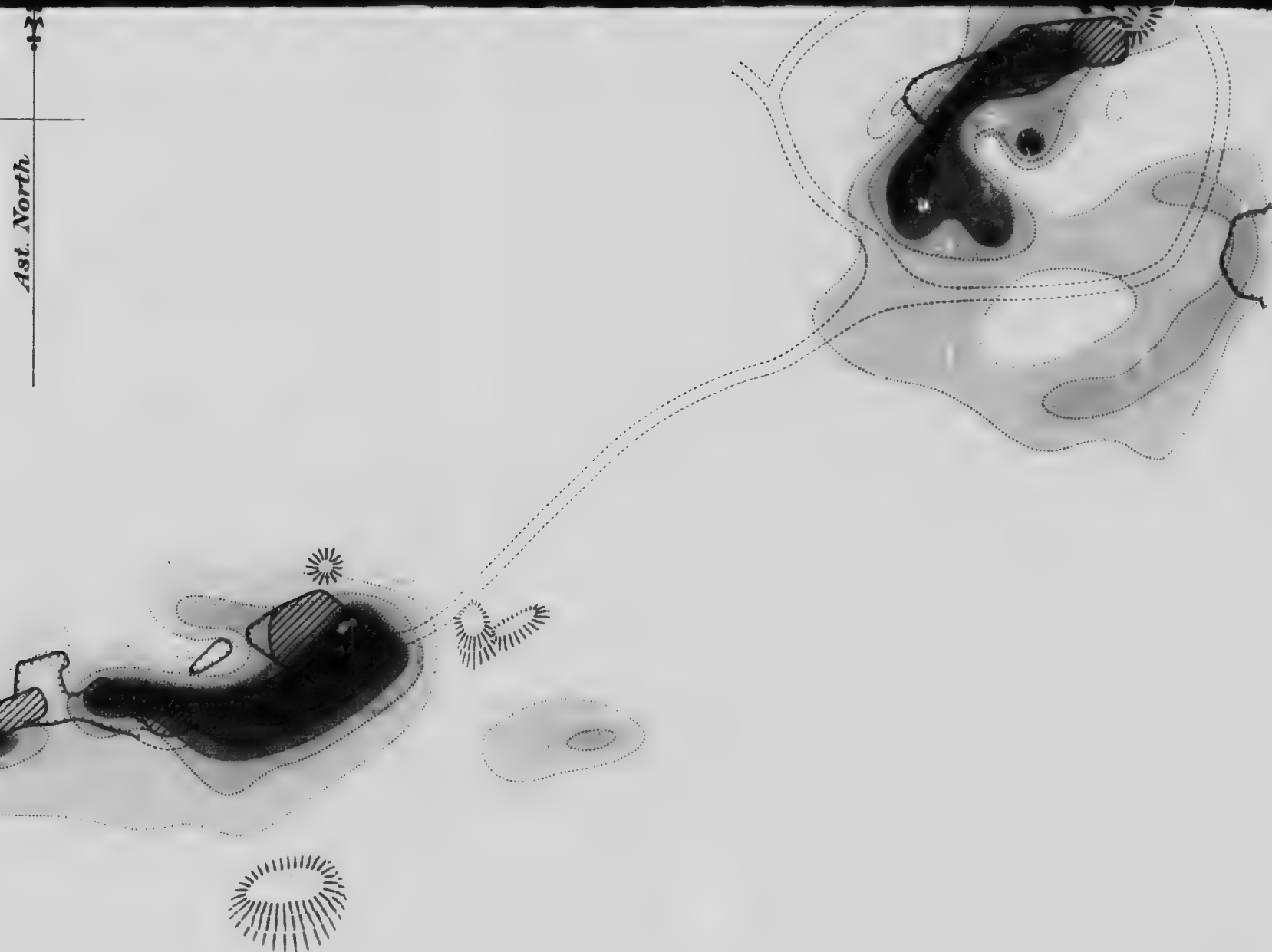
*Constant of Instrument = 0.85*

*Ast. North*



*H E Baine, Chief Draughtsman  
I H S Pereira, Draughtsman*

Ast. North



# BALDWIN MINE

LOT 13, CON. VI. HULL TOWNSHIP

QUEBEC

Scale: 100 Feet to 1 inch



tical

Ast. North

than 60°

60°

50°

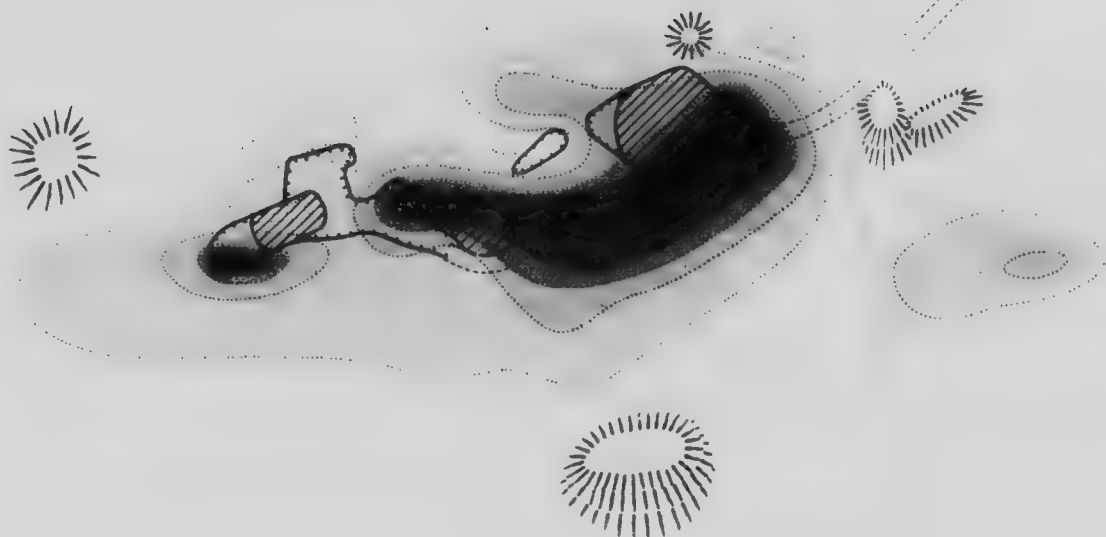
40°

20°

20°

40°

than 40°

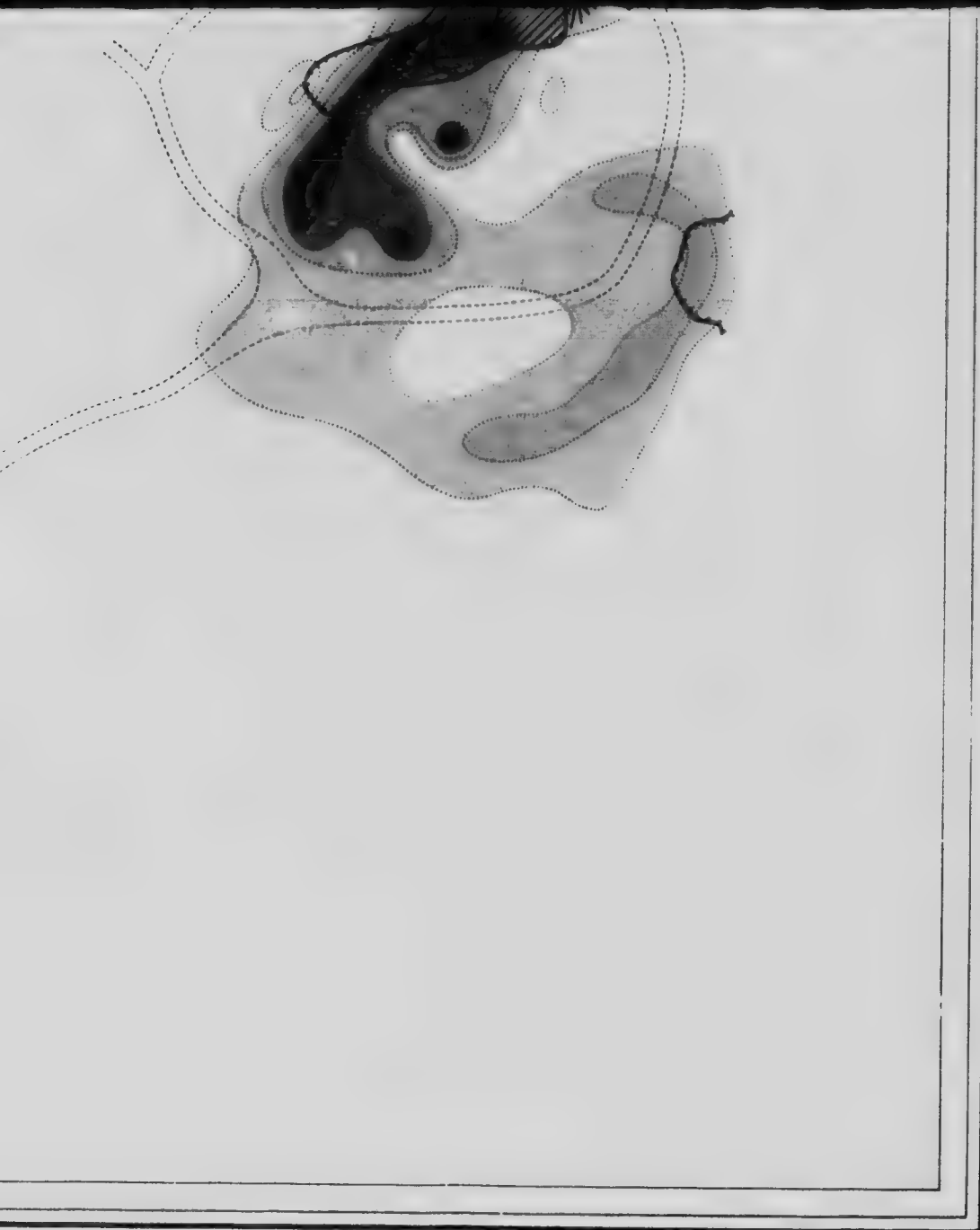


H. F. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman

**BALDWIN MINE**  
**LOT 13, CON. VI. HULL TOWN**  
**QUEBEC**

Scale: 100 Feet to 1 inch





# **LEGEND**



*Roads*



*Corner post*



*Open cuts*



*Pits filled with water*



*Mine dumps*

435

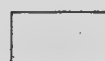
**INE**  
**TOWNSHIP**

ch

800

# MAGNETOMETRIC MAP

## LEGEND



*Isodynamic lines of the vertical magnetic intensity*

### Positive Intensity



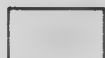
*Magnetic attraction greater than 60°*



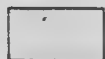
*between 50° — 60°*



*" 40° — 50°*

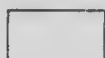


*" 20° — 40°*



*" 0° — 20°*

### Negative Intensity



*between 0° — -20°*



*" -20° — -40°*



*" -40° — -50°*



*" -50° — -60°*



*Magnetic attraction greater than -60°*

Base Line

NO

DEPA

HON. E. L. PATENAU

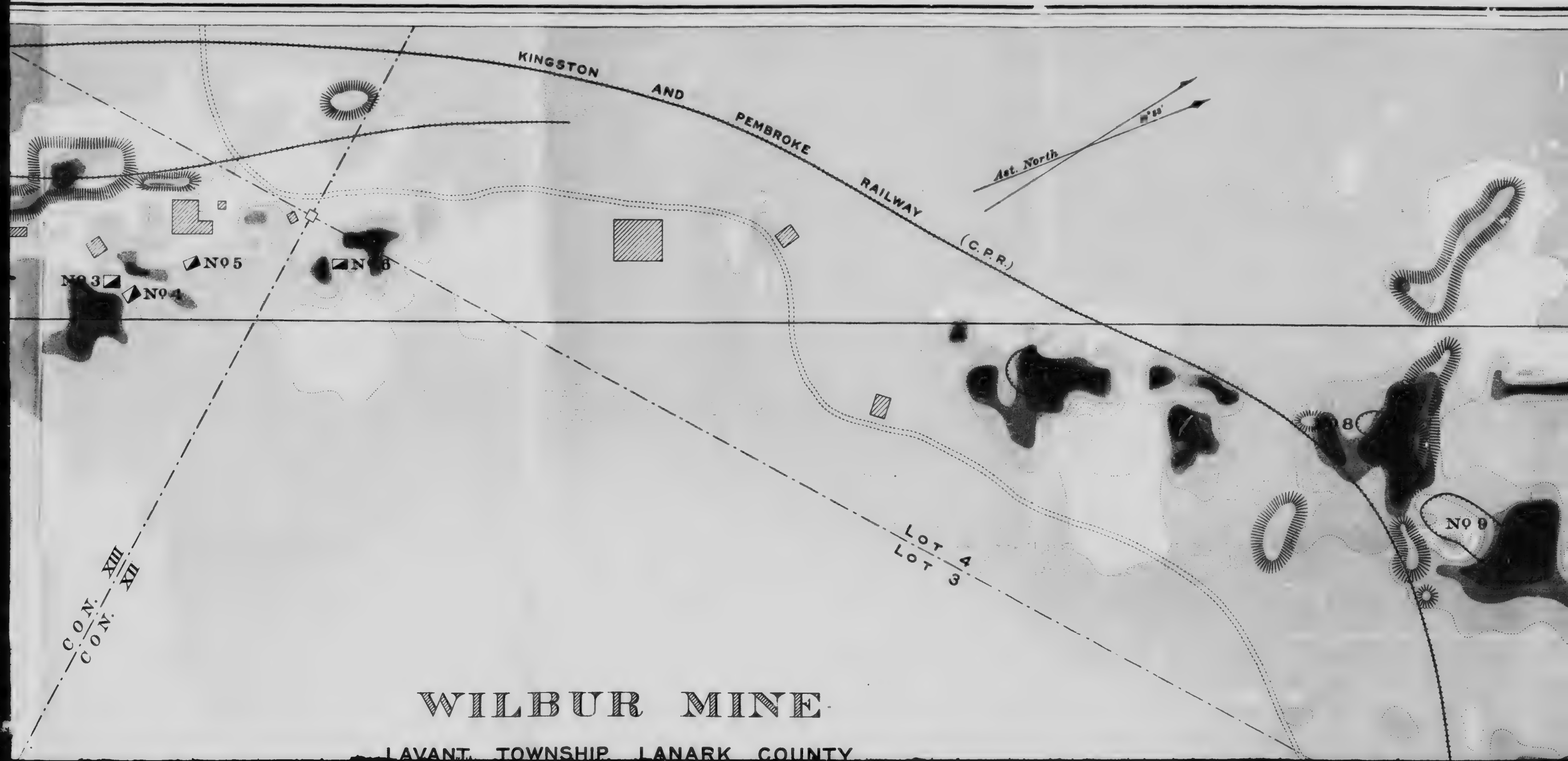


WILR

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. E. L. PATENAIDE, MINISTER; R. G. MCCONNELL, DEPUTY MINISTER  
EUGENE HAANEL, PH. D., DIRECTOR

1917










DEPT.  
OF MINES  
BRANCH

W. J. McNEILL, DEPUTY MINISTER  
H. D. DIRECTOR



LEGEND

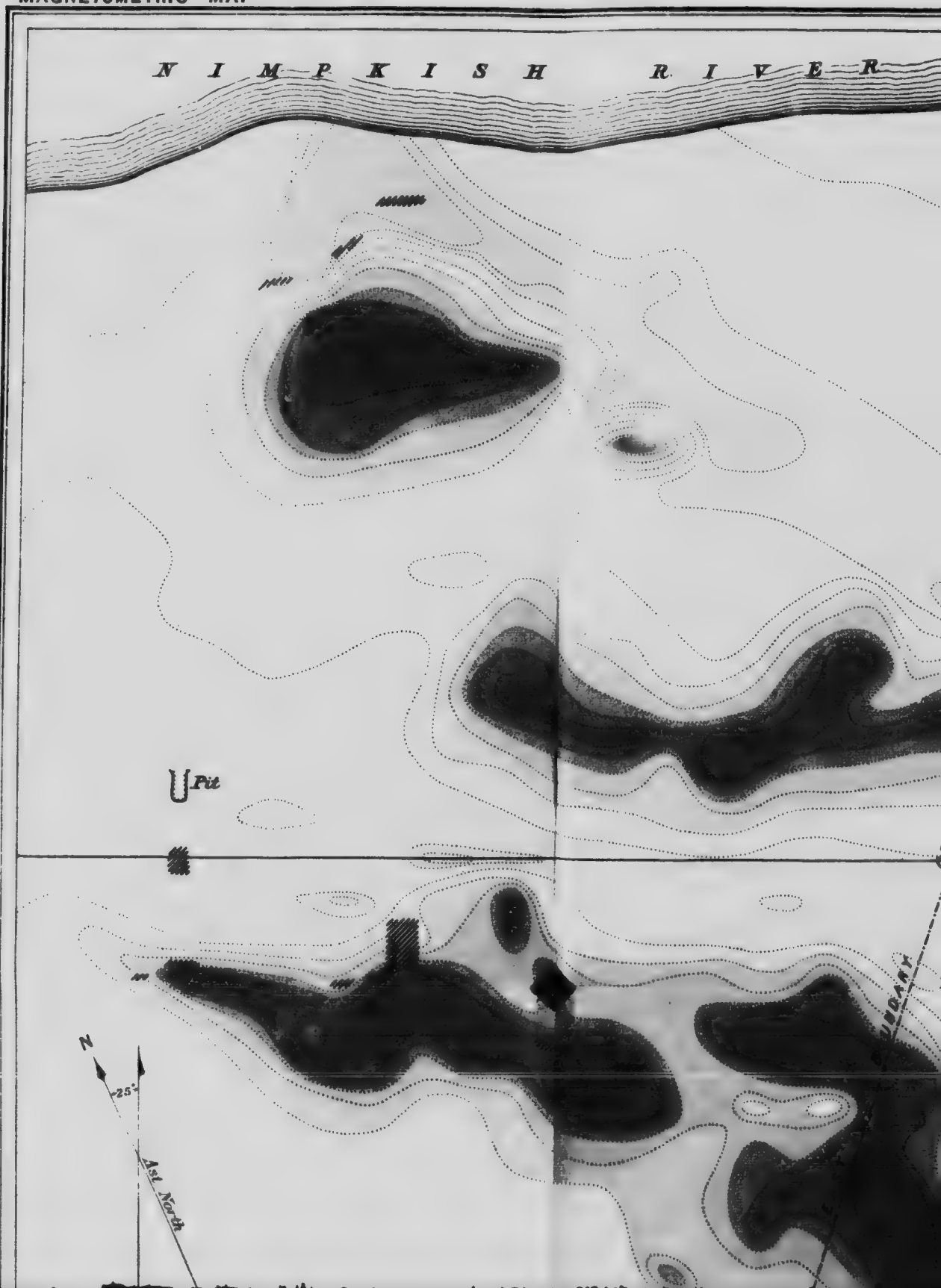
-  Roads and buildings
-  Corner post and Lot lines
-  Reference post
-  Railways
-  Shafts
-  Open cuts and Pits
-  Mine dumps

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. E. L. PATENAQUE, MINISTER; R. G. M'CONNELL, DEPUTY MINISTER.  
EUGENE HAANEL, PH. D., DIRECTOR.

MAGNETOMETRIC MAP

1917



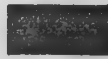












# LEGEND

 *Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity

	<i>Magnetic attraction greater than 60°</i>	
	<i>between</i>	<i>50° - 60°</i>
	<i>"</i>	<i>40° - 50°</i>
	<i>"</i>	<i>20° - 40°</i>
	<i>"</i>	<i>0° - 20°</i>

## Negative Intensity

	<i>between</i>	<i>0° - -20°</i>
	<i>"</i>	<i>-20° - -40°</i>
	<i>"</i>	<i>-40° - -50°</i>
	<i>"</i>	<i>-50° - -60°</i>
	<i>Magnetic attraction greater than -60°</i>	
	<i>Outcrop of Magnetite</i>	

*Magnetic declination about 25° East*

# LEGEND



*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity



*Magnetic attraction greater than  $60^{\circ}$*



*between  $50^{\circ}$  —  $60^{\circ}$*



*"  $40^{\circ}$  —  $50^{\circ}$*

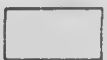


*"  $20^{\circ}$  —  $40^{\circ}$*



*"  $0^{\circ}$  —  $20^{\circ}$*

## Negative Intensity



*between  $0^{\circ}$  —  $-20^{\circ}$*



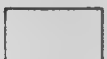
*"  $-20^{\circ}$  —  $-40^{\circ}$*



*"  $-40^{\circ}$  —  $-50^{\circ}$*



*"  $-50^{\circ}$  —  $-60^{\circ}$*



*Magnetic attraction greater than  $-60^{\circ}$*

*Magnetic declination about  $10^{\circ}53'$  west*

Base Line

Nº



WILB

LAVANT TOWNS

200 100 0

Nº 3

Nº 5

Nº 6

Nº 4

CON. XIII  
CON. XII

# WILBUR MINE

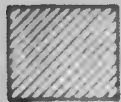
LAVANT TOWNSHIP, LANARK COUNTY

ONTARIO

Scale of Feet







(C.P.R.)



LOT 4  
LOT 3



UR MINE

IP, LANARK COUNTY.








TARIO

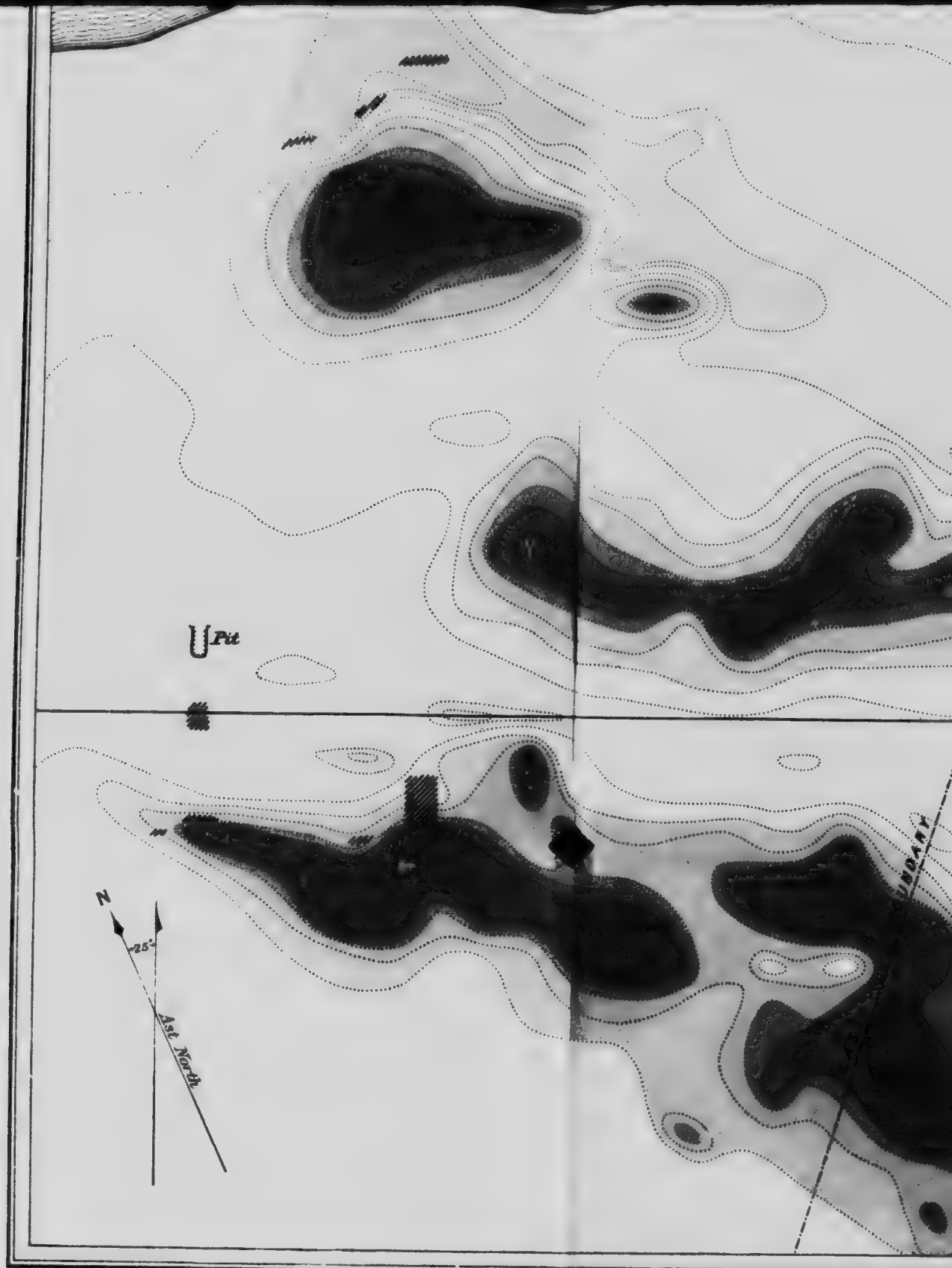
Scale of Feet



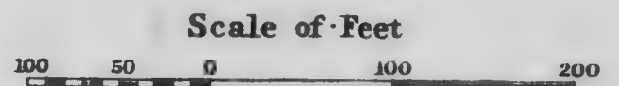


# LEGEND

-  *Roads and buildings*
-  *Corner post and Lot lines*
-  *Reference post*
-  *Railways*
-  *Shafts*
-  *Open cuts and Pits*
-  *Wine dumps*




**IRON CROWN CLAIM**  
**NIMPKISH RIVER, VANCOUVER ISLAND, B.C.**





## LEGEND

 *Isodynamic lines of the vertical magnetic intensity*

### Positive Intensity

 *Magnetic attraction greater than 60°*

 *between 50° - 60°*

 *" 40° - 50°*

 *" 20° - 40°*

 *" 0° - 20°*

### Negative Intensity

 *between 0° - -20°*

 *" -20° - -40°*

 *" -40° - -50°*

 *" -50° - -60°*

 *Magnetic attraction greater than -60°*

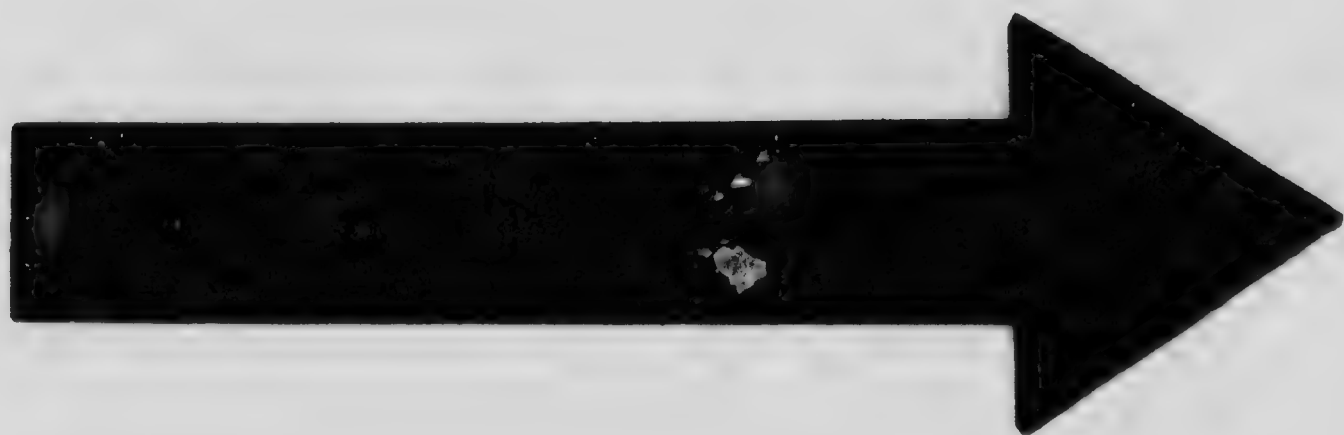
 *Outcrop of Magnetite*

*Magnetic declination about 25° East*

AIM  
AND, B.C.

Surveyed by  
E. Lindeman 1907.

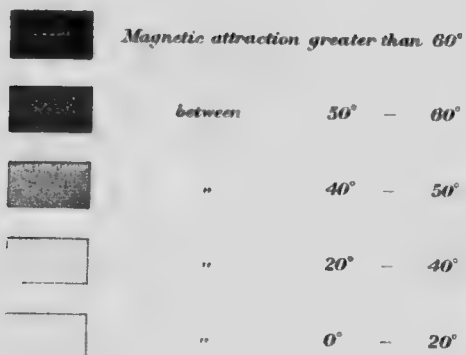
442



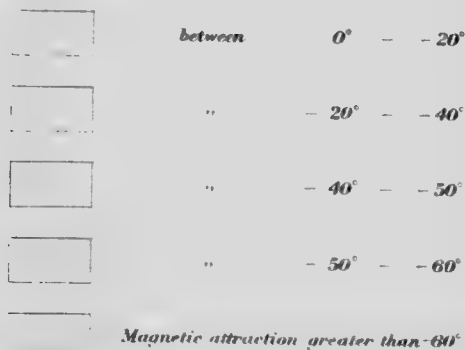
# LEGEND

*Isodynamic lines of the vertical magnetic intensity*

## Positive Intensity



## Negative Intensity

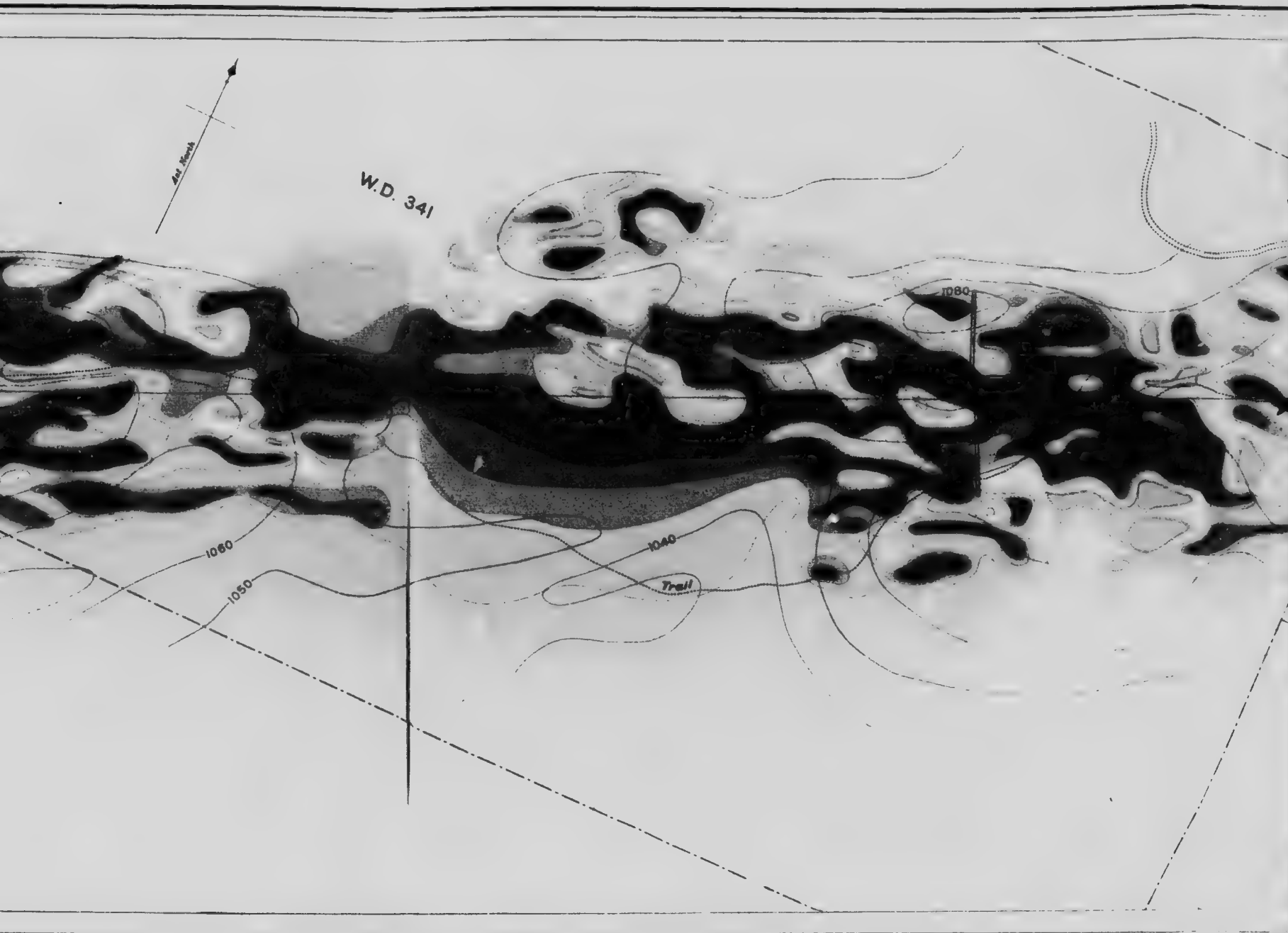


*Magnetic declination about 8° 56' West*

## MAGNETOMETRIC MAP



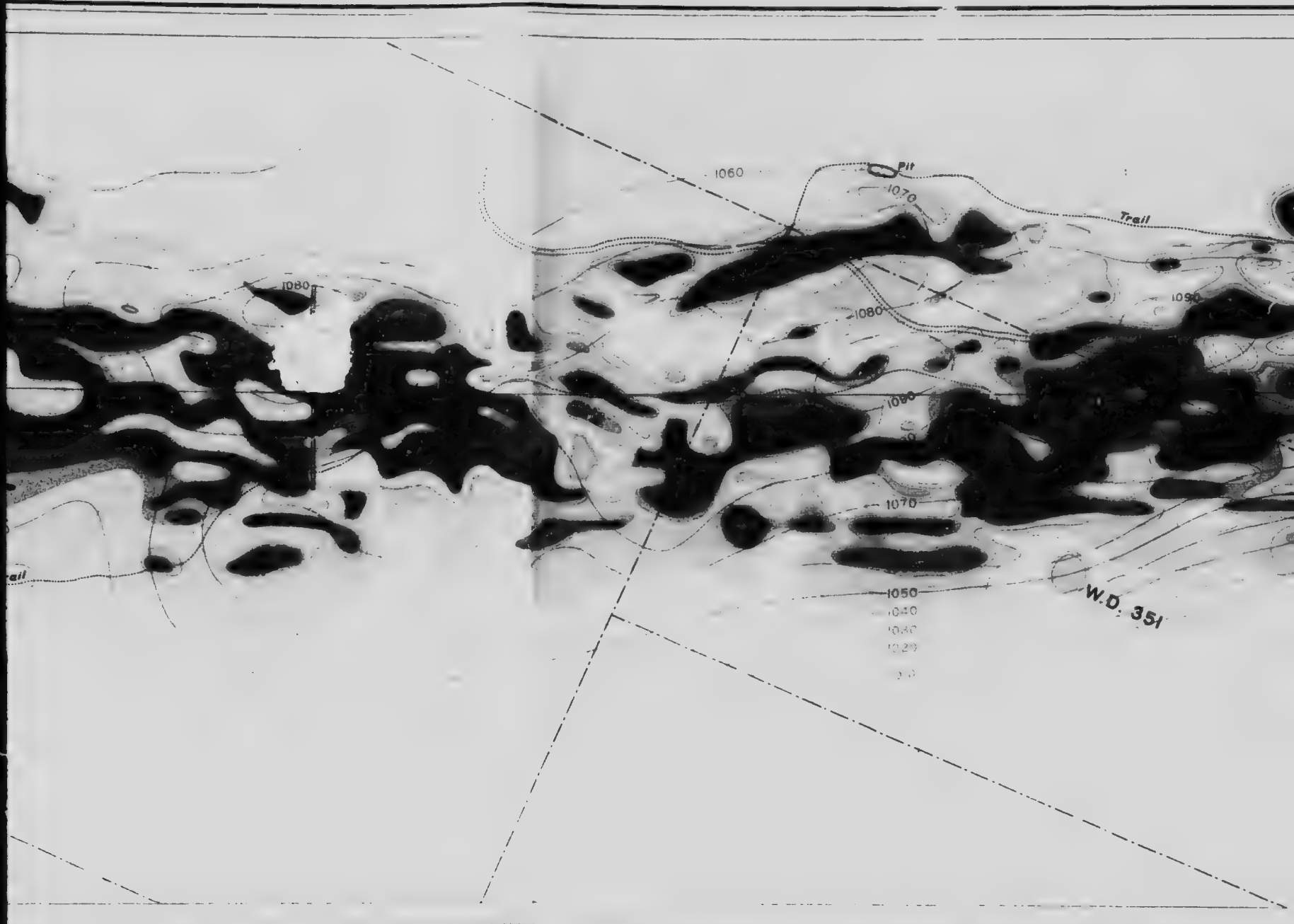
H.E. Baine, Chief Draughtsman  
L.H. S. Pereira, Draughtsman



CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

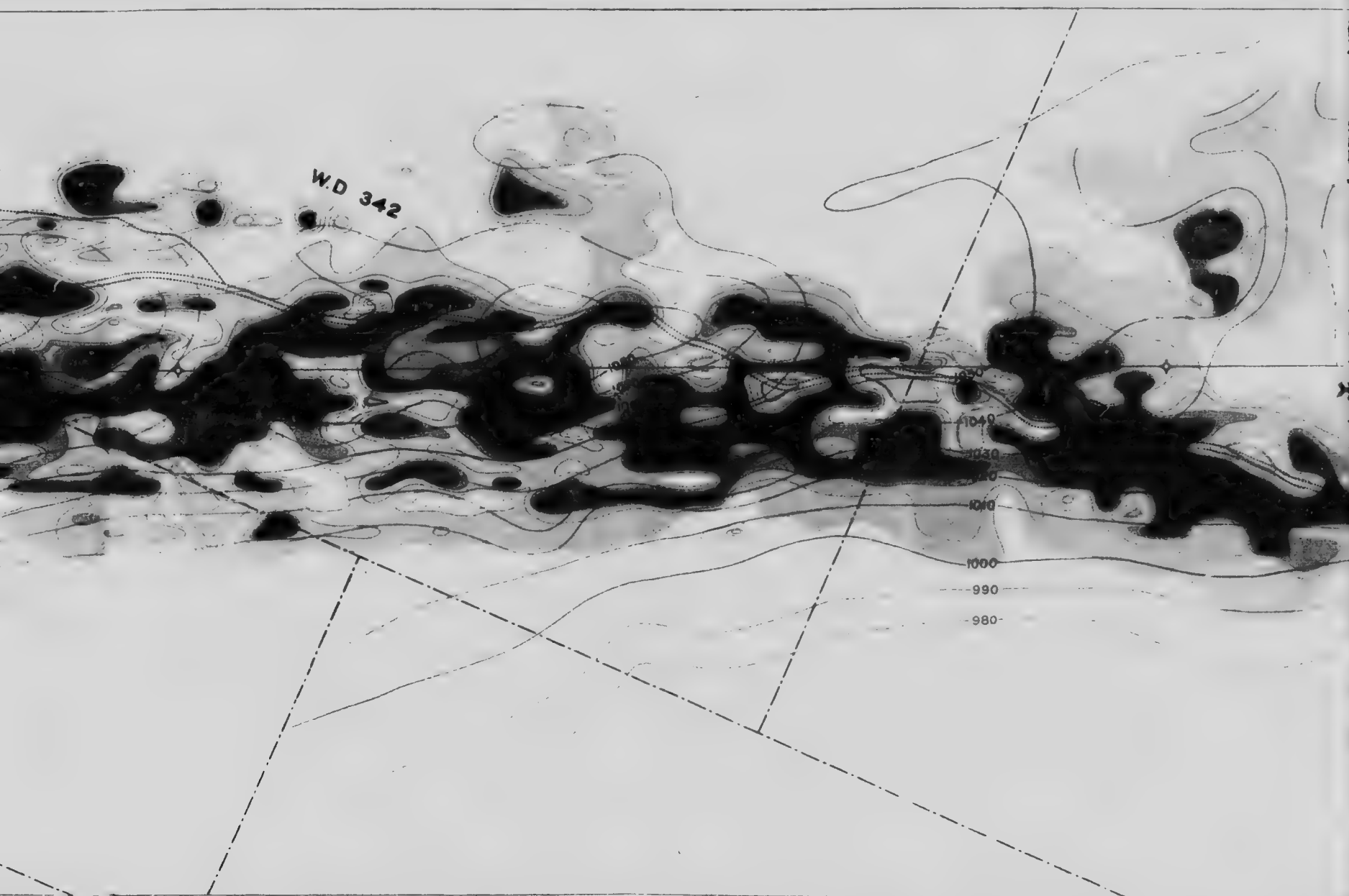
HON. E. L. PATENAUDE, MINISTER; R. G. McCONNELL, DEPUTY MINISTER.  
EUGENE HAANEL, PH. D., DIRECTOR

1917



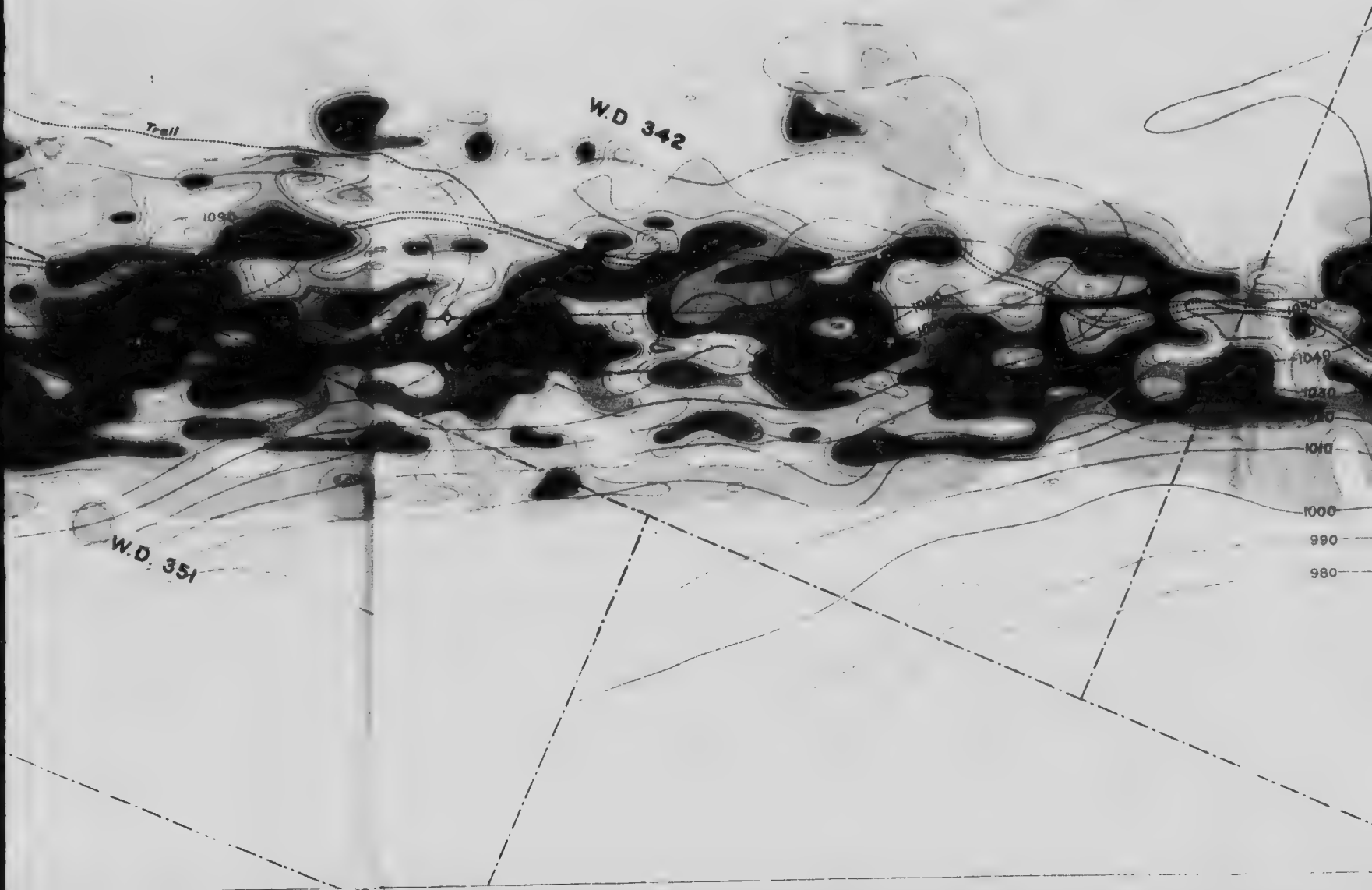
NORTHEAST ARM IRON RANGE  
LOTS E.T.W. 340, W.D. 341, W.D. 342, W.D. 343, AND W.D. 351.  
LAKE TIMAGAMI, DISTRICT OF NIPISSING  
ONTARIO

Scale 1 in. = 200 Feet to 1 Inch  
200 150 100 50 0 200 400



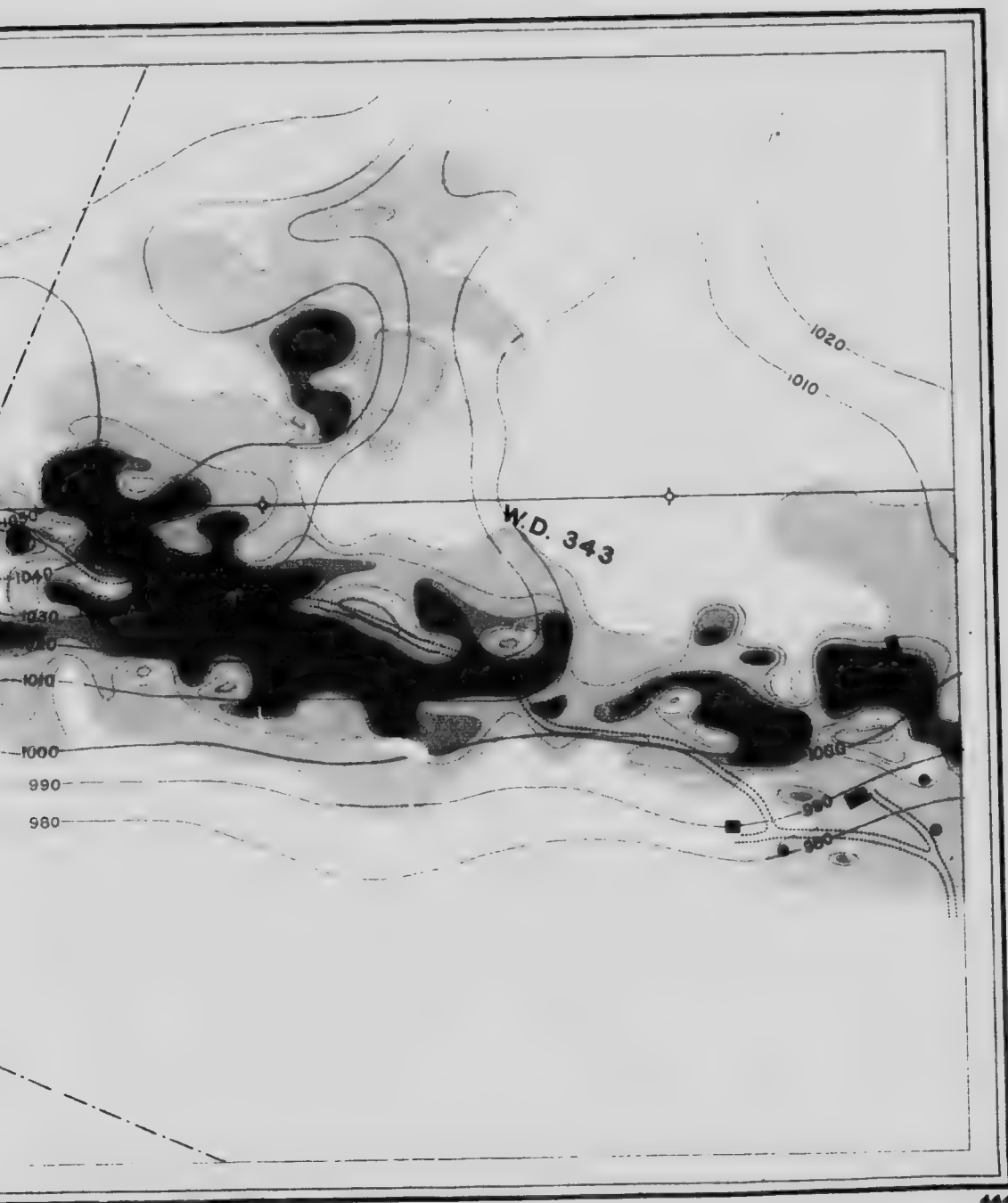
ES

ty MINISTER.








RANGE  
AND W.D. 351.  
PISSING

400














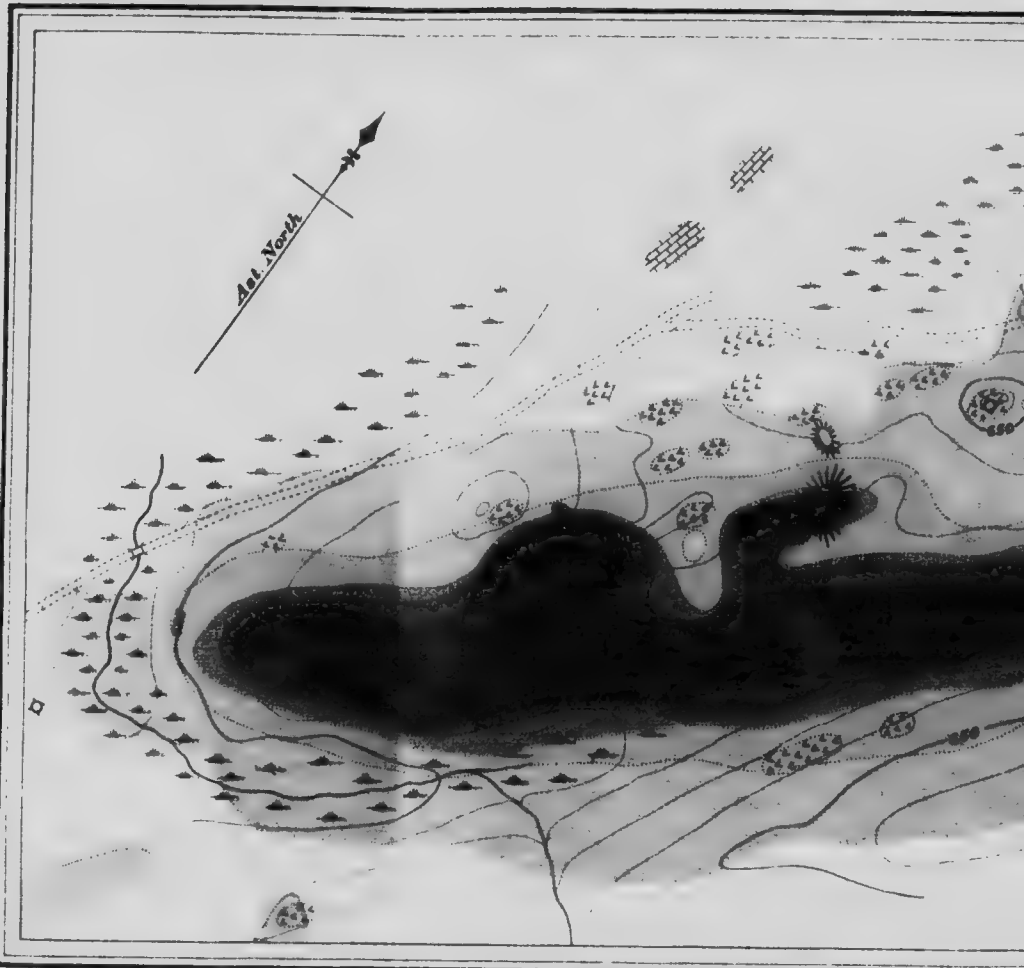
# LEGEND

-  Roads and buildings
-  W.D. 341 Lot numbers
-  Reference posts
-  Diamond drill holes
-  Contours, interval 10 feet  
Elevation above sea-level

# MAGNETOMETRIC MAP

## LEGEND

	<i>Isodynamic lines of the vertical magnetic intensity</i>	
<b>Positive Intensity</b>		
	<i>Magnetic attraction greater than 60°</i>	
	<i>between</i>	$50^{\circ} - 60^{\circ}$
	<i>"</i>	$40^{\circ} - 50^{\circ}$
	<i>"</i>	$20^{\circ} - 40^{\circ}$
	<i>"</i>	$0^{\circ} - 20^{\circ}$
<b>Negative Intensity</b>		
	<i>between</i>	$0^{\circ} - -20^{\circ}$
	<i>"</i>	$-20^{\circ} - -40^{\circ}$
	<i>"</i>	$-40^{\circ} - -50^{\circ}$
	<i>"</i>	$-50^{\circ} - -60^{\circ}$
	<i>Magnetic attraction greater than -60°</i>	



H. E. Baine, Chief Draughtsman  
L. H. S. Pereira, Draughtsman

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. E. L. PATENAUDE, MINISTER; R. G. MCCONNELL, DEPUTY MINISTER.  
EUGENE HAANEL, PH. D., DIRECTOR.

1917



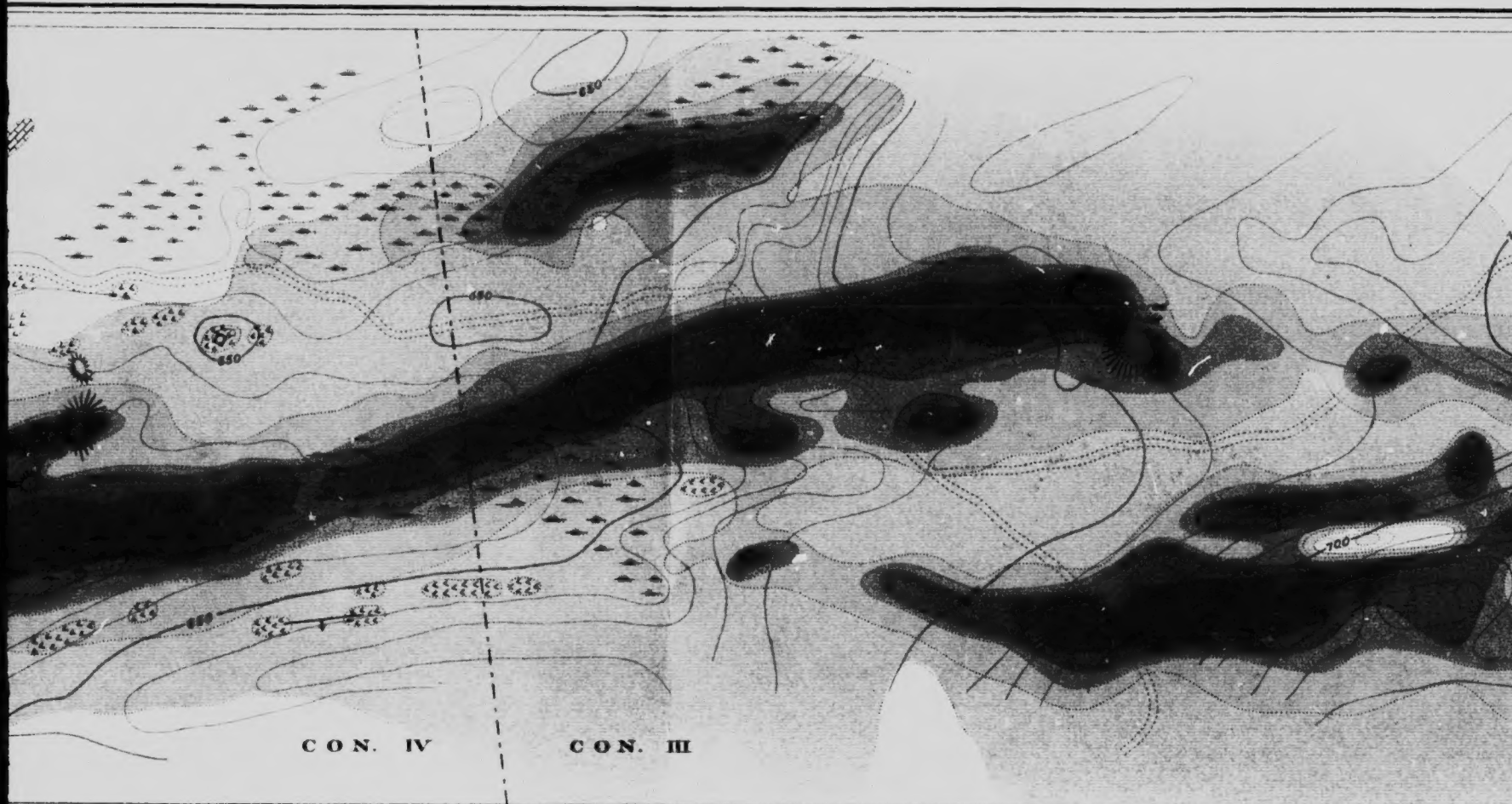
**RADENHURST AND CALDWELL MINES**  
LOT 22, CONS. III AND IV  
LAVANT TP., LANARK CO.  
ONTARIO

Scale  $\frac{1}{1600}$  : 200 Feet to 1 inch  
100 50 0 100 200 300 400 500

CANADA  
DEPARTMENT OF MINES  
MINES BRANCH

HON. E. L. PATENAUDE, MINISTER; R. G. MCCONNELL, DEPUTY MINISTER,  
EUGENE HAANEL, PH.D., DIRECTOR.

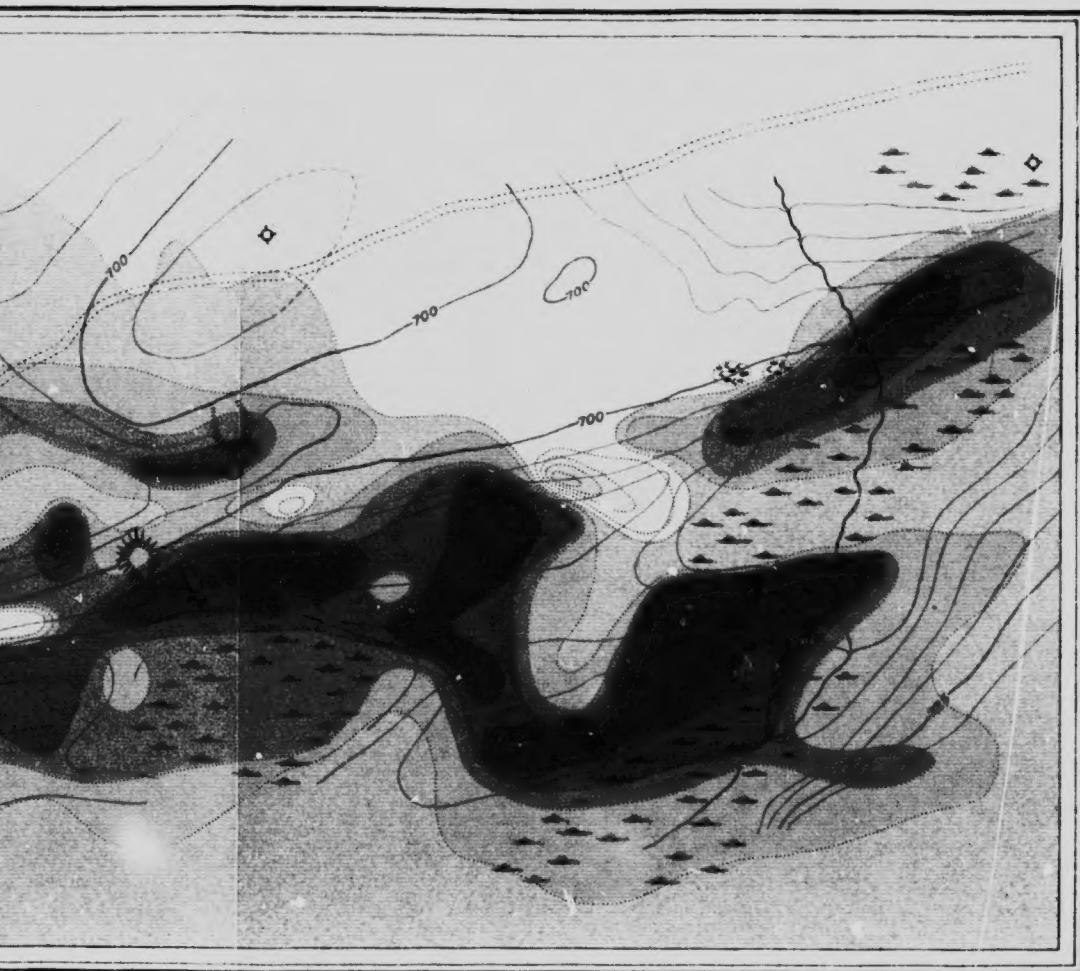
1917



**RADENHURST AND CALDWELL MINES**

LOT 22, CONS. III AND IV  
LAVANT TP., LANARK CO.  
ONTARIO

Scale  $\frac{1}{31680}$  : 200 Feet to 1 inch  
100 50 0 100 200 300 400 500



# **LEGEND**



*Roads*



*Reference posts*



*Bridges*



*Streams*



*Swamps*



*Contours, interval 5 feet  
Elevation above sea level*



*Mine dumps*

## **Outcrops**



*Magnetite*



*Gneiss and schist*



*Crystalline limestone*



*Strike and dip*

*Contours showing heights above sea-level  
based on elevation taken from CPR<sup>2</sup> (K and P Branch)*

CAI V.2  
MT 21  
13N17 ENG 7